

=> d his

(FILE 'HOME' ENTERED AT 11:08:52 ON 28 JAN 2003)

FILE 'BIOSIS, MEDLINE, CAPLUS, PROMT' ENTERED AT 11:10:06 ON 28 JAN 2003

L1 433 S (LYCII FRUCT? OR L.FRUCT?)  
L2 1857 S ANGELIC? GIGANT? OR A.GIGANT?  
L3 162 S CNIDI? RHIZOM? OR C.RHIZOM?  
L4 5395860 1 AND 2 AND 3  
L5 1 S L1 AND L2 AND L3  
L6 0 S L5 AND GINSENG

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,  
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,  
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,  
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 11:28:10 ON  
28 JAN 2003

SEA CNIDI? (2A) RHIZOM? OR C.RHIZOM? OR CNIDI?

-----  
2 FILE ADISCTI  
1 FILE ADISNEWS  
30 FILE AGRICOLA  
18 FILE ANABSTR  
5 FILE AQUASCI  
22 FILE BIOBUSINESS  
249 FILE BIOSIS  
16 FILE BIOTECHABS  
16 FILE BIOTECHDS  
14 FILE BIOTECHNO  
138 FILE CABA  
11 FILE CANCERLIT  
398 FILE CAPLUS  
3 FILE CONFSCI  
15 FILE CROPU  
16 FILE DDFB  
108 FILE DDFU  
16 FILE DRUGB  
96 FILE DRUGLAUNCH  
318 FILE DRUGMONOG2  
119 FILE DRUGU  
1 FILE EMBAL  
126 FILE EMBASE  
32 FILE ESBIODASE  
1 FILE FEDRIP  
6 FILE FROSTI  
7 FILE FSTA  
53 FILE GENBANK  
1 FILE HEALSAFE  
21 FILE IFIPAT  
111 FILE JICST-EPLUS  
2 FILE KOSMET  
19 FILE LIFESCI  
87 FILE MEDLINE  
1 FILE OCEAN  
71 FILE PASCAL  
6 FILE PROMT

104 FILE SCISEARCH  
119 FILE TOXCENTER  
106 FILE USPATFULL  
3 FILE USPAT2  
456 FILE WPIDS  
456 FILE WPINDEX

L7

QUE CNIDI? (2A) RHIZOM? OR C.RHIZOM? OR CNIDI?

-----  
SEA ANGELIC? (2A) GIGANT? OR A.GIGANT?

-----  
1 FILE ADISNEWS  
13 FILE AGRICOLA  
47 FILE AQUASCI  
8 FILE BIOBUSINESS  
1 FILE BIOCOMMERCE  
185 FILE BIOSIS  
1 FILE BIOTECHABS  
1 FILE BIOTECHDS  
25 FILE BIOTECHNO  
166 FILE CABA  
42 FILE CANCERLIT  
265 FILE CAPLUS  
6 FILE CEABA-VTB  
14 FILE CEN  
30 FILE CIN  
4 FILE CONFSCI  
5 FILE CROPU  
2 FILE DDFU  
22 FILE DGENE  
90 FILE DRUGLAUNCH  
5 FILE DRUGU  
1 FILE DRUGUPDATES  
98 FILE EMBASE  
25 FILE ESBIODBASE  
3 FILE FEDRIP  
3 FILE FROSTI  
3 FILE FSTA  
4 FILE GENBANK  
3 FILE HEALSAFE  
83 FILE IFIPAT  
90 FILE JICST-EPLUS  
36 FILE LIFESCI  
123 FILE MEDLINE  
24 FILE NTIS  
14 FILE OCEAN  
78 FILE PASCAL  
4 FILE PHARMAML  
14 FILE PHIN  
1285 FILE PROMT  
139 FILE SCISEARCH  
46 FILE TOXCENTER  
232 FILE USPATFULL  
5 FILE USPAT2  
307 FILE WPIDS  
307 FILE WPINDEX

L8

QUE ANGELIC? (2A) GIGANT? OR A.GIGANT?

SEA LYCI? (2A) FRUCT? OR L.FRUCT?

-----  
 11 FILE ADISCTI  
 1 FILE ADISNEWS  
 19 FILE AGRICOLA  
 9 FILE ANABSTR  
 22 FILE BIOBUSINESS  
 132 FILE BIOSIS  
 104 FILE BIOTECHABS  
 104 FILE BIOTECHDS  
 18 FILE BIOTECHNO  
 42 FILE CABA  
 1 FILE CANCERLIT  
 287 FILE CAPLUS  
 14 FILE CEABA-VTB  
 1 FILE CIN  
 1 FILE CONFSCI  
 2 FILE CROPU  
 1 FILE DDFB  
 7 FILE DDFU  
 1 FILE DRUGB  
 10 FILE DRUGLAUNCH  
 21 FILE DRUGU  
 71 FILE EMBASE  
 30 FILE ESBIODBASE  
 1 FILE FEDRIP  
 29 FILE FROSTI  
 75 FILE FSTA  
 26 FILE GENBANK  
 45 FILE IFIPAT  
 25 FILE JICST-EPLUS  
 28 FILE LIFESCI  
 66 FILE MEDLINE  
 3 FILE NTIS  
 50 FILE PASCAL  
 1 FILE PHAR  
 9 FILE PROMT  
 75 FILE SCISEARCH  
 49 FILE TOXCENTER  
 231 FILE USPATFULL  
 3 FILE USPAT2  
 3 FILE VETU  
 130 FILE WPIDS  
 130 FILE WPINDEX

L9

QUE LYCI? (2A) FRUCT? OR L.FRUCT?

-----  
 SEA GINSENG? OR (ACANTHOPANAC? (2A) CORTEX?)  
 -----

87 FILE ADISCTI  
 12 FILE ADISINSIGHT  
 43 FILE ADISNEWS  
 857 FILE AGRICOLA  
 203 FILE ANABSTR  
 12 FILE AQUASCI  
 608 FILE BIOBUSINESS  
 31 FILE BIOCOMMERCE  
 2729 FILE BIOSIS

330	FILE BIOTECHABS
330	FILE BIOTECHDS
235	FILE BIOTECHNO
1518	FILE CABA
215	FILE CANCERLIT
4798	FILE CAPLUS
37	FILE CEABA-VTB
6	FILE CEN
64	FILE CIN
89	FILE CONFSCI
10	FILE CROPB
94	FILE CROPU
179	FILE DDFB
808	FILE DDFU
95	FILE DGENE
179	FILE DRUGB
876	FILE DRUGLAUNCH
2094	FILE DRUGMONOG2
3	FILE DRUGNL
856	FILE DRUGU
3	FILE DRUGUPDATES
26	FILE EMBAL
2025	FILE EMBASE
513	FILE ESBIOBASE
32	FILE FEDRIP
79	FILE FOMAD
5	FILE FOREGE
397	FILE FROSTI
356	FILE FSTA
325	FILE GENBANK
8	FILE HEALSAFE
234	FILE IFIPAT
1173	FILE JICST-EPLUS
25	FILE KOSMET
219	FILE LIFESCI
1	FILE MEDICONF
1336	FILE MEDLINE
4	FILE NIOSHTIC
60	FILE NTIS
917	FILE PASCAL
6	FILE PHAR
7	FILE PHARMAML
71	FILE PHIN
4222	FILE PROMT
1821	FILE SCISEARCH
1326	FILE TOXCENTER
1055	FILE USPATFULL
39	FILE USPAT2
4	FILE VETB
11	FILE VETU
3643	FILE WPIDS
3643	FILE WPINDEX

L10      QUE GINSENG? OR (ACANTHOPANAC? (2A) CORTEX?)  
 -----  
          SEA L10 AND L9 AND L8 AND L7  
 -----  
          1    FILE IFIPAT

```
                2  FILE USPATFULL
                2  FILE WPIDS
                2  FILE WPINDEX
L11             QUE L10 AND L9 AND L8 AND L7
                -----
```

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	18.15	68.80

STN INTERNATIONAL LOGOFF AT 11:47:53 ON 28 JAN 2003

\$%^STN;HighlightOn= \*\*\*;HighlightOff=\*\*\* ;

Welcome to STN International! Enter x:x

LOGINID:sssptal651pxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN  
International \*\*\*\*\*

NEWS 1 Web Page URLs for STN  
Seminar Schedule - N. America  
NEWS 2 Apr 08 "Ask CAS" for self-help  
around the clock  
NEWS 3 Apr 09 BEILSTEIN: Reload and  
Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications  
available in IFICDB, IFIPAT, and IFIUDB  
NEWS 6 Apr 22 Records from IP.com  
available in CAPLUS, HCAPLUS, and ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now  
available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress  
(FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for  
search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains  
STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28,  
2002;  
saved answer sets no longer  
valid  
NEWS 14 Jul 29 Enhanced polymer searching  
in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from  
STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML)  
- new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and  
enhanced  
NEWS 19 Aug 19 Aquatic Toxicity Information  
Retrieval (AQUIRE)  
now available on STN  
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB  
have been reloaded  
NEWS 21 Aug 19 The MEDLINE file segment of  
TOXCENTER has been reloaded  
NEWS 22 Aug 26 Sequence searching in  
REGISTRY enhanced  
NEWS 23 Sep 03 JAPIO has been reloaded and  
enhanced  
NEWS 24 Sep 16 Experimental properties  
added to the REGISTRY file  
NEWS 25 Sep 16 Indexing added to some pre-  
1967 records in CA/CAPLUS  
NEWS 26 Sep 16 CA Section Thesaurus  
available in CAPLUS and CA  
NEWS 27 Oct 01 CASREACT Enriched with  
Reactions from 1907 to 1985  
NEWS 28 Oct 21 EVENTLINE has been reloaded  
NEWS 29 Oct 24 BEILSTEIN adds new search  
fields

NEWS 30 Oct 24 Nutraceuticals International  
(NUTRACEUT) now available on STN  
NEWS 31 Oct 25 MEDLINE SDI run of October  
8, 2002  
NEWS 32 Nov 18 DKILIT has been renamed  
APOLLIT  
NEWS 33 Nov 25 More calculated properties  
added to REGISTRY  
NEWS 34 Dec 02 TIBKAT will be removed from  
STN  
NEWS 35 Dec 04 CSA files on STN  
NEWS 36 Dec 17 PCTFULL now covers WP/PCT  
Applications from 1978 to date  
NEWS 37 Dec 17 TOXCENTER enhanced with  
additional content  
NEWS 38 Dec 17 Adis Clinical Trials Insight  
now available on STN

NEWS EXPRESS October 14 CURRENT WINDOWS  
VERSION IS V6.01,  
CURRENT MACINTOSH VERSION IS  
V6.0a(ENG) AND V6.0Ja(JP),  
AND CURRENT DISCOVER FILE IS  
DATED 01 OCTOBER 2002  
NEWS HOURS STN Operating Hours Plus Help  
Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and  
Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site  
(general information)

Enter NEWS followed by the item number or name  
to see news on that  
specific topic.

All use of STN is subject to the provisions  
of the STN Customer  
agreement. Please note that this agreement  
limits use to scientific  
research. Use for software development or  
design or implementation  
of commercial gateways or other similar uses  
is prohibited and may  
result in loss of user privileges and other  
penalties.

\*\*\*\*\* STN Columbus \*\*  
\*\*\*\*\*

FILE 'HOME' ENTERED AT 10:59:40 ON 18 DEC 2002

=> index bioscience napralert

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
COST IN U.S. DOLLARS  
SINCE FILE TOTAL

ENTRY SESSION  
FULL ESTIMATED COST  
0.21 0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS,  
AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,  
BIOCOMMERCE, BIOSIS, BIOTECHABS,  
BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,

CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI,  
CROPB, CROPU, DDFB, DDFU, DGENE,  
DRUGB, DRUGLAUNCH, DRUGMONOG2, ...'  
ENTERED AT 10:59:49 ON 18 DEC 2002

65 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term  
postings or to view  
search error messages that display as 0\* with  
SET DETAIL OFF.

=> s wild(2a) ginseng

6 FILE AGRICOLA  
1 FILE ANABSTR  
1 FILE AQUASCI  
4 FILE BIOBUSINESS  
23 FILE BIOSIS  
1 FILE BIOTECHABS  
1 FILE BIOTECHDS  
3 FILE BIOTECHNO  
16 FILE CABA  
1 FILE CANCERLIT  
25 FILE CAPLUS

16 FILES SEARCHED...

2 FILE CONFSCI  
4 FILE DDFU  
1 FILE DRUGLAUNCH  
1 FILE DRUGMONOG2  
4 FILE DRUGU

29 FILES SEARCHED...

5 FILE EMBASE  
4 FILE ESBIOBASE  
2 FILE FEDRIP  
1 FILE FROSTI  
2 FILE FSTA  
3 FILE IFIPAT  
1 FILE JICST-EPLUS  
2 FILE LIFESCI  
8 FILE MEDLINE

49 FILES SEARCHED...

5 FILE PASCAL  
42 FILE PROMT  
8 FILE SCISEARCH  
3 FILE TOXCENTER  
6 FILE USPATFULL  
27 FILE WPIDS  
27 FILE WPINDEX  
8 FILE NAPRALERT

33 FILES HAVE ONE OR MORE ANSWERS, 65  
FILES SEARCHED IN STNINDEX

L1 QUE WILD(2A) GINSENG

=> s l1 and lycii

36 FILES SEARCHED...

0 FILES HAVE ONE OR MORE ANSWERS, 65  
FILES SEARCHED IN STNINDEX

L2 QUE L1 AND LYCII

=> s l2 and (cnidii or angelic? or cultivated  
ginseng or cervie or royal jelly or honey or  
glycyrrhizae or amomi or zizyphi or paeonia?)  
<-----User Break----->

=> s l1 and (cnidii or angelic? or cultivated  
ginseng or cervie or royal jelly or honey or  
glycyrrhizae or amomi or zizyphi or paeonia?)

2 FILE BIOBUSINESS  
3 FILE BIOSIS  
1 FILE BIOTECHABS  
1 FILE BIOTECHDS  
3 FILE CABA  
6 FILE CAPLUS  
2 FILE DDFU

23 FILES SEARCHED...

2 FILE DRUGU  
1 FILE EMBASE  
1 FILE FEDRIP  
1 FILE FROSTI  
1 FILE FSTA

38 FILES SEARCHED...

2 FILE MEDLINE  
6 FILE PROMT  
3 FILE USPATFULL

61 FILES SEARCHED...

6 FILE WPIDS  
6 FILE WPINDEX  
1 FILE NAPRALERT

18 FILES HAVE ONE OR MORE ANSWERS, 65  
FILES SEARCHED IN STNINDEX

L3 QUE L1 AND (CNIDII OR ANGELIC? OR  
CULTIVATED GINSENG OR CERVIE OR ROYAL JE  
LLY OR HONEY OR GLYCYRRHIZAE OR AMOMI  
OR ZIZYPHI OR PAEONIA?)

=> s l1 and (rehmanniae or polygoni or  
adenophorae or liriopis or asparagi or  
polygonati or testudi or morinda? or epided?  
or eucommia? or ciboti? or cordycep?)

27 FILES SEARCHED...

2 FILE PROMT

55 FILES SEARCHED...

1 FILE WPIDS  
1 FILE WPINDEX

3 FILES HAVE ONE OR MORE ANSWERS, 65  
FILES SEARCHED IN STNINDEX

L4 QUE L1 AND (REHMANNIAE OR POLYGONI OR  
ADENOPHORAE OR LIRIOPIS OR ASPARAGI  
OR POLYGONATI OR TESTUDI OR MORINDA?  
OR EPIDED? OR EUCOMMIA? OR CIBOTI  
? OR CORDYCEP?)

=> s l3 and l4

24 FILES SEARCHED...

45 FILES SEARCHED...

1 FILE PROMT

1 FILES HAVE ONE OR MORE ANSWERS, 65  
FILES SEARCHED IN STNINDEX

L5 QUE L3 AND L4

=> s l3 or l4

2 FILE BIOBUSINESS  
3 FILE BIOSIS  
1 FILE BIOTECHABS  
1 FILE BIOTECHDS

3 FILE CABA  
 6 FILE CAPLUS  
 2 FILE DDFU  
 25 FILES SEARCHED...  
 2 FILE DRUGU  
 1 FILE EMBASE  
 1 FILE FEDRIP  
 1 FILE FROSTI  
 1 FILE FSTA  
 2 FILE MEDLINE  
 52 FILES SEARCHED...  
 7 FILE PROMT  
 3 FILE USPATFULL  
 7 FILE WPIDS  
 7 FILE WPINDEX  
 1 FILE NAPRALERT  
  
 18 FILES HAVE ONE OR MORE ANSWERS, 65  
 FILES SEARCHED IN STNINDEX  
  
 L6 QUE L3 OR L4  
  
 => d rank  
  

F1	7	PROMT
F2	7	WPIDS
F3	7	WPINDEX
F4	6	CAPLUS
F5	3	BIOSIS
F6	3	CABA
F7	3	USPATFULL
F8	2	BIOBUSINESS
F9	2	DDFU
F10	2	DRUGU
F11	2	MEDLINE
F12	1	BIOTECHABS
F13	1	BIOTECHDS
F14	1	EMBASE
F15	1	FEDRIP
F16	1	FROSTI
F17	1	FSTA
F18	1	NAPRALERT

  
 => fil f4-f6, f8-f1118  
  
 'F8-F1118' EXCEEDS F# RANGE 'F1-F65'  
 ENTER A FILE NAME OR (IGNORE):f18  
  

COST IN U.S. DOLLARS	
SINCE FILE	TOTAL
ENTRY SESSION	
FULL ESTIMATED COST	
15.90	16.11

  
 FILE 'CAPLUS' ENTERED AT 11:17:51 ON 18 DEC 2002  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)  
  
 FILE 'BIOSIS' ENTERED AT 11:17:51 ON 18 DEC 2002  
 COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC. (R)  
  
 FILE 'CABA' ENTERED AT 11:17:51 ON 18 DEC 2002  
 COPYRIGHT (C) 2002 CAB INTERNATIONAL (CABI)

FILE 'NAPRALERT' ENTERED AT 11:17:51 ON 18 DEC 2002  
 COPYRIGHT (C) 2002 Board of Trustees of the University of Illinois, University of Illinois at Chicago.  
  
 => s 16  
  
 L7 13 L6  
  
 => fil f4-f6, f8-f18  
  

COST IN U.S. DOLLARS	
SINCE FILE	TOTAL
ENTRY SESSION	
FULL ESTIMATED COST	
47.86	63.97

  
 FILE 'CAPLUS' ENTERED AT 11:18:26 ON 18 DEC 2002  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)  
  
 FILE 'BIOSIS' ENTERED AT 11:18:26 ON 18 DEC 2002  
 COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC. (R)  
  
 FILE 'CABA' ENTERED AT 11:18:26 ON 18 DEC 2002  
 COPYRIGHT (C) 2002 CAB INTERNATIONAL (CABI)  
  
 FILE 'BIOBUSINESS' ENTERED AT 11:18:26 ON 18 DEC 2002  
 COPYRIGHT (C) 2002 Biological Abstracts, Inc. (BIOSIS)  
  
 FILE 'DDFU' ENTERED AT 11:18:26 ON 18 DEC 2002  
 COPYRIGHT (C) 2002 THOMSON DERWENT  
  
 FILE 'DRUGU' ACCESS NOT AUTHORIZED  
  
 FILE 'MEDLINE' ENTERED AT 11:18:26 ON 18 DEC 2002  
  
 FILE 'BIOTECHABS' ENTERED AT 11:18:26 ON 18 DEC 2002  
 COPYRIGHT (C) 2002 THOMSON DERWENT AND INSTITUTE FOR SCIENTIFIC INFORMATION  
  
 FILE 'BIOTECHDS' ACCESS NOT AUTHORIZED  
  
 FILE 'EMBASE' ENTERED AT 11:18:26 ON 18 DEC 2002  
 COPYRIGHT (C) 2002 Elsevier Science B.V. All rights reserved.  
  
 FILE 'FEDRIP' ENTERED AT 11:18:26 ON 18 DEC 2002  
  
 FILE 'FROSTI' ENTERED AT 11:18:26 ON 18 DEC 2002  
 COPYRIGHT (C) 2002 Leatherhead Food Research Association  
  
 FILE 'FSTA' ENTERED AT 11:18:26 ON 18 DEC 2002



COPYRIGHT (C) 2002 International Food  
Information Service

FILE 'NAPRALERT' ENTERED AT 11:18:26 ON 18 DEC  
2002

COPYRIGHT (C) 2002 Board of Trustees of the  
University of Illinois,  
University of Illinois at Chicago.

=> s 16

L8 24 L6

=> dup rem 18

DUPLICATE IS NOT AVAILABLE IN 'FEDRIP'.  
ANSWERS FROM THESE FILES WILL BE CONSIDERED  
UNIQUE  
PROCESSING COMPLETED FOR L8  
L9 18 DUP REM L8 (6 DUPLICATES  
REMOVED)

=> d 19 1-5 all

L9 ANSWER 1 OF 18 CAPLUS COPYRIGHT 2002  
ACS DUPLICATE 1  
AN 2002:924549 CAPLUS  
TI DNA extraction and RAPD analysis for  
identification of \*\*\*wild\*\*\*  
mountain \*\*\*ginseng\*\*\* and  
\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*  
IN Wang, Shuwen; Ding, Jianmi; Mei, Qichun  
PA Shenxiang Shenrong Branch, Shanghai  
Medicinal Materials Co., Ltd., Peop.  
Rep. China  
SO Faming Zhuanli Shenqing Gongkai  
Shuomingshu, 10 pp.  
CODEN: CNXXEV  
DT Patent  
LA Chinese  
IC ICM C12Q001-68  
CC 3-1 (Biochemical Genetics)  
Section cross-reference(s): 11, 1

FAN.CNT 1

PATENT NO.	KIND	DATE
APPLICATION NO. DATE		
PI CN 1337470	A	20020227
2000-119569	20000804	
AB The invention relates methods for DNA extn. and RAPD anal. for identification of ***wild*** mountain ***ginseng*** and ***cultivated*** ***ginseng*** The 20 PCR primers are provided. ST Panax pseudoginseng identification PCR primer RAPD analysis IT Gel electrophoresis Ginseng (Panax pseudoginseng) PCR (polymerase chain reaction) RAPD analysis (DNA extn. and RAPD anal. for identification of ***wild*** mountain ***ginseng*** and ***cultivated*** ***ginseng*** ) IT DNA RL: ANT (Analyte); BUU (Biological use, unclassified); ANST (Analytical		

study); BIOL (Biological study); USES  
(Uses)

(DNA extn. and RAPD anal. for  
identification of \*\*\*wild\*\*\* mountain  
\*\*\*ginseng\*\*\* and \*\*\*cultivated\*\*\*  
\*\*\*ginseng\*\*\* )

IT Extraction

(DNA from ginseng; DNA extn. and RAPD  
anal. for identification of  
\*\*\*wild\*\*\* mountain \*\*\*ginseng\*\*\*  
and \*\*\*cultivated\*\*\*  
\*\*\*ginseng\*\*\* )

IT Primers (nucleic acid)

RL: ARG (Analytical reagent use); BUU  
(Biological use, unclassified); PRP  
(Properties); ANST (Analytical study);  
BIOL (Biological study); USES  
(Uses)

(for ginseng identification; DNA extn.  
and RAPD anal. for  
identification of \*\*\*wild\*\*\*  
mountain \*\*\*ginseng\*\*\* and  
\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* )

IT 476381-57-4 476381-58-5 476381-59-6  
476381-60-9 476381-61-0  
476381-62-1 476381-63-2 476381-64-3  
476381-65-4 476381-66-5  
476381-67-6 476381-68-7 476381-69-8  
476381-70-1 476381-71-2  
476381-72-3 476381-73-4 476381-74-5  
476381-75-6 476381-76-7

RL: ARG (Analytical reagent use); BUU  
(Biological use, unclassified); PRP  
(Properties); ANST (Analytical study);  
BIOL (Biological study); USES  
(Uses)

(primer; DNA extn. and RAPD anal. for  
identification of \*\*\*wild\*\*\*  
mountain \*\*\*ginseng\*\*\* and  
\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* )

L9 ANSWER 2 OF 18 DDFU COPYRIGHT 2002  
THOMSON DERWENT

AN 2002-35496 DDFU P  
TI Hepatoprotective ability of a novel  
botanical formulation on mild liver  
injury in rats produced by acute  
acetaminophen and/or alcohol ingestion.  
AU Echard B W; Talpur N A; Fan A Y; Bagchi  
D; Preuss H G  
LO Washington, D.C.; Omaha, Neb., USA  
SO Res. Commun. Mol. Pathol. Pharmacol. (110,  
No. 1-2, 73-85, 2002) 6 Fig. 2  
Tab. 31 Ref.

CODEN: RCMPE ISSN: 1078-0297  
AV Georgetown University Medical Center,  
Med-Dent Bldg., Rm. 103SE, 3900  
Reservoir Rd. NW, Washington DC 20007,  
U.S.A. (H.G.P.). (e-mail:  
preussgh@georgetown.edu).

LA English

DT Journal

AB P.o. treatment with a novel botanical  
formulation consisting of a  
combination of medicinal herbs reversed  
p.o. ethyl alcohol (EA) and p.o.  
acetaminophen (AC, paracetamol)-induced  
increases in AST and ALT in rats.

The novel botanical formulation  
consisted of a mixture of 2 capsules,

designated as red and white capsules. The red capsule consisted of Momordica charantia, Grataegus pinnatifida, Phaseolus radiatus (150 mg), Hordeum vulgare, Poria cocos Wolf, and Ziziphus jujuba Mill. The white capsule consisted of Swedish Flower Pollen Extract (Cernitin T40), \*\*\*Royal\*\*\* \*\*\*Jelly\*\*\* Extract, and \*\*\*Wild\*\*\* \*\*\*Ginseng\*\*\* Extract. Results suggest that oral ingestion of the novel botanical formulation presented in this study is effective in reducing AC- and EA-induced hepatotoxicity.

SH P Pharmacology  
CC 16 Gastrointestinal  
CT HEPATOPATHY \*OC; PARACETAMOL \*RC; ETHYL-ALCOHOL \*RC; P.O. \*FT; COMB. \*FT; CAPSULE \*FT; EC-2.6.1.1 \*FT; EC-2.6.1.2 \*FT; RAT \*FT; HEPATOTROPIC \*FT; PHARM.PREP. \*FT; ASPARTATE-AMINOTRANSFERASE \*FT; ALANINE-AMINOTRANSFERASE \*FT; LAB.ANIMAL \*FT

[01] MORMORDICA \*FT; CHARANTIA \*FT; GRATAEGUS \*FT; PINNATIFIDA \*FT; PHASEOLUS \*FT; RADIATUS \*FT; HORDEUM \*FT; VULGARE \*FT; PORIA \*FT; COCOS \*FT; ZIZIPHUS \*FT; JUJUBA \*FT; POLLEN \*FT; EXTRACT \*FT; PLANT-SUBSTANCE \*FT; BOTANY \*FT; BOTANY \*FT; BOTANY \*FT; PH \*FT

[02] \*\*\*ROYAL\*\*\* - \*\*\*JELLY\*\*\* \*PH; ROYALJELL \*RN; PH \*FT

[03] GINSENG \*PH; GINSENG \*RN; PH \*FT

FA AB; LA; CT  
FS Literature

L9 ANSWER 3 OF 18 MEDLINE  
AN 2001670196 IN-PROCESS  
DN 21572625 PubMed ID: 11715197  
TI Comparative effects of decreasing viscosity in different preparations of Chinese \*\*\*angelica\*\*\* root and ginseng.

AU Li W; Wu Y; Cai S; Tang C  
CS Guangzhou University of Traditional Chinese Medicine, Guangzhou 510405.  
SO CHUNG YAO TSAI [JOURNAL OF CHINESE MEDICINAL MATERIALS], (2001 Aug) 24 (8) 581-3.  
Journal code: 9426370. ISSN: 1001-4454.  
CY China  
DT Journal; Article; (JOURNAL ARTICLE)  
LA Chinese  
FS IN-PROCESS; NONINDEXED; Priority Journals  
ED Entered STN: 20011122  
Last Updated on STN: 20021211  
AB OBJECTIVE: To compare the effects of different preparations of Chinese angelica root and ginseng on decreasing whole blood viscosity and plasma viscosity in rats. METHOD: The hemorheological method was used in vivo or in vitro and a Decreasing Viscosity Index (DIV) was defined as a comparative scalar. RESULTS: In the effect of the groups of Chinese

angelica root on decreasing viscosity, the effect of whole root group was the best and the effect of main root group was better than that of the tributary root group. Meanwhile the same effect of transplant \*\*\*wild\*\*\* \*\*\*ginseng\*\*\* group was greater than that of dried raw ginseng group.

CONCLUSION: This work provided some fundamental evidences for clinical application and pharmacological data for the quality evaluation.

L9 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2002  
ACS DUPLICATE 2  
AN 2000:878645 CAPLUS  
DN 134:197921  
TI Triterpene glycosides from \*\*\*wild\*\*\* and \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* occurring in maritime territory: chemical characterization, comparative quantitative analysis, and biological activity study

AU Uvarova, N. I.; Makhan'kova, V. V.; Malinovskaya, G. V.; Samoshina, N. F.; Atopkina, L. N.; Likhatskaya, G. N.; Kim, N. Yu.; Anisimov, M. M.; Elyakov, G. B.  
CS Pacific-Ocean Institute of Bioorganic Chemistry, Far-East Division, Russian Academy of Sciences, Vladivostok, Russia  
SO Pharmaceutical Chemistry Journal (Translation of Khimiko-Farmatsevticheskii Zhurnal) (2000), 34(3), 122-129  
CODEN: PCJOAU; ISSN: 0091-150X  
PB Consultants Bureau  
DT Journal  
LA English  
CC 63-4 (Pharmaceuticals)  
AB A comparative quant. HPLC anal. of samples of wild-growing and \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* of different districts of the Russian maritime territory was performed depending on the site of occurrence and the year of collection. According to 1H and 13C NMR data, a total of 13 compds. isolated were identical to the corresponding ginsenosides previously obtained from Panax ginseng and P. notoginseng from Japan. The content of individual ginsenosides in \*\*\*wild\*\*\* -growing \*\*\*ginseng\*\*\* roots showed approx. the same pattern of variation. No difference in ginsenoside compn. between \*\*\*wild\*\*\* and \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* roots was found. The compn. of ginsenosides isolated from the roots of maritime ginseng differed from that found in both wild-growing and cultivated P. ginseng occurring in Japan and China. This evidenced the uniqueness of the Russian ginseng species left intact by nature. A total glycoside fraction produced a

double effect in a model of induced oxidn., acting as prooxidants at low concn. and as antioxidants at a concn. of 50-100 .mu.M, showing activity comparable with that of tocopherol acetate and ionol. The membranotropic activity of glycosides was measured also. ST ginseng ginsenoside antioxidant HPLC Russia

IT Triterpenes

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)

(glycosides; triterpene glycosides from \*\*\*wild\*\*\* and

\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* occurring in maritime territory)

IT Plant (Embryophyta)

(medicinal; triterpene glycosides from \*\*\*wild\*\*\* and

\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* occurring in maritime territory)

IT Antioxidants

Ginseng (Panax notoginseng)

Ginseng (Panax pseudoginseng)

(triterpene glycosides from \*\*\*wild\*\*\* and \*\*\*cultivated\*\*\*

\*\*\*ginseng\*\*\* occurring in maritime territory)

IT Glycosides

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)

(triterpenoid; triterpene glycosides from \*\*\*wild\*\*\* and

\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* occurring in maritime territory)

IT 508-02-1 11021-13-9 11021-14-0

14197-60-5 22427-39-0 30636-90-9

34080-08-5 34291-22-0 34367-04-9

39262-14-1 41753-43-9

52286-58-5 52286-59-6 52286-74-5

52705-93-8 53963-43-2

62025-49-4 63223-86-9 69987-14-0

78214-33-2 80418-25-3

80930-74-1 327155-76-0

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)

(triterpene glycosides from \*\*\*wild\*\*\* and \*\*\*cultivated\*\*\*

\*\*\*ginseng\*\*\* occurring in maritime territory)

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Abdrasilov, B; Antibiot Khimioter 1995, V10(11 - 12), P16

(2) Anisimov, M; Khim Prir Soedin 1988, 6, P883 CAPLUS

(3) Anufriev, V; Carbohydr Res 1997, V304, P179 CAPLUS

(4) Atopkina, L; Carbohydr Res 1988, V177, P101 CAPLUS

(5) Atopkina, L; Carbohydr Res 1997, V303, P449 CAPLUS

(6) Bulgakov, V; Rast Res 1991, V27(3), P91

(7) Chaurasia, N; J Nat Prod 1987, V50(5), P881 CAPLUS

(8) Chen, Y; Chem Pharm Bull 1987, V35(4), P1653 CAPLUS

(9) Chinna, C; Osterr Apoth Z 1983, V37(51 - 52), P1022

(10) Dalakishvili, T; Rast Res 1980, V16(1), P118 CAPLUS

(11) Elyakov, G; Tetrahedron Lett 1964, V48, P3591

(12) Furuya, T; Planta Med 1983, V48, P83 CAPLUS

(13) Jiang, Y; Acta Pharmacol Sinica 1996, V17(2), P138 CAPLUS

(14) Kalinin, V; J Nat Toxins 1992, V1(2), P17 CAPLUS

(15) Konstantinova, N; Khim Prir Soedin 1991, 6, P808

(16) Likhatskaya, G; Izv Akad Nauk SSSR, Ser Biol 1990, 6, P942

(17) Lin, T; Chem Pharm Bull 1976, V24(2), P253 CAPLUS

(18) Makhankov, V; Khim Prir Soedin 1993, 2, P237 CAPLUS

(19) Malinovskaya, G; Khim Prir Soedin 1991, 2, P294 CAPLUS

(20) Malinovskaya, G; Khim Prir Soedin 1992, 6, P686 CAPLUS

(21) Morita, T; Chem Pharm Bull 1983, V31(9), P3206

(22) Samukawa, K; Chem Pharm Bull 1995, V43(1), P137 CAPLUS

(23) Shibata, S; Abstracts of the Third International Conference on Chemistry and Biotechnology of Biologically Active Natural Products 1985, V1, P148

(24) Shibata, S; Economic and Medicinal Plant Research 1985, V1, P217

(25) Tanaka, O; Progress in the Chemistry of Organic Natural Products 1984, V46, P1 CAPLUS

(26) Uvarova, N; Carbohydr Res 1980, V83, P33 CAPLUS

(27) Uvarova, N; Khim Prir Soedin 1988, 3, P463 CAPLUS

(28) Yahara, S; Chem Pharm Bull 1976, V24(9), P2204 CAPLUS

(29) Yahara, S; Chem Pharm Bull 1979, V27(1), P88 CAPLUS

(30) Yamaguchi, H; Chem Pharm Bull 1988, V36(18), P4177

(31) Yang, T; Acta Pharmacol Sinica 1984, V19(2), P232

(32) Yu, N; Araliaceae: Ginseng and Others 1996, P96

(33) Zhou, J; Chem Pharm Bull 1981, V29(10), P2844 CAPLUS

L9 ANSWER 5 OF 18 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

3

AN 2000:356622 BIOSIS

DN PREV200000356622

TI Chemical characteristics, comparative quantitative determination and biological activity of triterpene glycosides from \*\*\*wild\*\*\* and

\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*  
Panax ginseng growing in Primorsky  
Krai.  
AU Uvarova, N. I.; Makhan'kov, V. V.;  
Malinovskaya, G. V.; Samoshina, N. F.;  
Atopkina, L. N.; Likhatskaya, G. N.; Kim,  
N. Yu.; Anisimov, M. M.;  
Elyakov, G. B.  
SO Khimiko-Farmatsevticheskii Zhurnal,  
(March, 2000) Vol. 34, No. 3, pp.  
19-25. print.  
ISSN: 0023-1134.  
DT Article  
LA Russian  
SL English  
CC Cytology and Cytochemistry - Animal  
\*02506  
Blood, Blood-Forming Organs and Body  
Fluids - Blood and Lymph Studies  
\*15002  
Blood, Blood-Forming Organs and Body  
Fluids - Blood Cell Studies \*15004  
Pharmacognosy and Pharmaceutical Botany  
\*54000  
BC Araliaceae 25590  
Muridae 86375  
IT Major Concepts  
Pharmacognosy (Pharmacology)  
IT Parts, Structures, & Systems of Organisms  
erythrocytes: blood and lymphatics  
IT Chemicals & Biochemicals  
protopanaxadiol; triterpene glycoside:  
biological activity, chemical  
characteristics, comparative  
quantitative determination, isolation  
IT Methods & Equipment  
HPLC [high performance liquid  
chromatography]: analytical method,  
liquid chromatography  
IT Miscellaneous Descriptors  
antioxidant activity; membranotropin:  
activity  
GT Primorsky Krai (Russia, Palearctic  
region)  
ORGN Super Taxa  
Araliaceae: Dicotyledones,  
Angiospermae, Spermatophyta, Plantae;  
Muridae: Rodentia, Mammalia,  
Vertebrata, Chordata, Animalia  
ORGN Organism Name  
Panax ginseng (Araliaceae); mouse  
(Muridae)  
ORGN Organism Superterms  
Angiosperms; Animals; Chordates;  
Dicots; Mammals; Nonhuman Mammals;  
Nonhuman Vertebrates; Plants; Rodents;  
Spermatophytes; Vascular Plants;  
Vertebrates  
RN 7755-01-3 (PROTOPANAXADIOL)

=> d 19 6-12 all

L9 ANSWER 6 OF 18 FROSTI COPYRIGHT 2002  
LFRA  
AN 549529 FROSTI  
TI Gnarly \*\*\*ginseng\*\*\* commands  
\*\*\*wild\*\*\* prices.  
AU Winter M.

SO Cornell Focus, 2000, (August), 9 (2),  
15-17 (0 ref.)  
Published by: College of Agriculture and  
Life Sciences, State University  
of New York, Cornell University  
Address: 273 Roberts Hall, Cornell  
University, Ithaca, NY 14853-4203, USA  
Telephone: +1 (607) 254 5137  
ISSN: 1067-585X  
DT Journal  
LA English  
SL English  
AB Real ginseng root, which has a dark,  
crooked, and gnarled appearance from  
growing in the root-entangling soils at  
the base of hardwood trees,  
commands a price premium over  
\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*,  
which is said to resemble a white  
carrot. Researchers with the Cornell  
Agroforestry Working Group are  
evaluating the integration of agriculture  
and forestry to enable cultivation of a  
more natural-like ginseng.  
Growing ginseng among sugar maple, black  
cherry, and yellow birch are  
illustrated as potential ways to achieve  
this.  
SH FRUIT AND VEGETABLE PRODUCTS  
CT APPEARANCE; CULTIVATION; DIETARY  
SUPPLEMENTS; DIETETIC FOODS; GINSENG;  
HORTICULTURE; IMPROVEMENTS; SENSORY  
PROPERTIES; VISUAL PROPERTIES;  
\*\*\*WILD\*\*\* \*\*\*GINSENG\*\*\*  
DED 19 Apr 2001  
L9 ANSWER 7 OF 18 CABA COPYRIGHT 2002 CABI  
AN 1999:130439 CABA  
DN 990609813  
TI American ginseng production in woodlots  
AU Beyfuss, R. L.  
CS Cornell Cooperative Extension of Greene  
County, HCR 3, Box 906, Cairo, NY  
12413, USA.  
SO Agroforestry Notes, (1999) No. 14, pp. 4.  
Forest Farming - 3. 4 ref.  
Publisher: USDA National Agroforestry  
Center (NAC). Lincoln, Nebraska  
CY United States  
DT Miscellaneous  
LA English  
AB This note briefly describes the  
cultivation of American ginseng (Panax  
quinquefolium [P. quinquefolius]), in  
woodlots in the USA. The species is  
a medicinal herb growing as an  
understorey plant in dense shade provided  
by deciduous hardwoods, which is used in  
traditional Chinese medicine and  
exported from the USA and Canada. It is  
produced in woodlots either as  
'woods \*\*\*cultivated\*\*\*  
\*\*\*ginseng\*\*\*' (ginseng grown in a  
forested environment in tilled beds under  
natural shade for 6-9 yr) or '  
\*\*\*wild\*\*\* simulated \*\*\*ginseng\*\*\*  
' (grown in untilled soil in  
forests for 9-12 yr or longer). Both  
these types of ginseng production are  
potentially extremely profitable for  
landowners with suitable forest

stands (especially \*\*\*wild\*\*\*  
 simulated \*\*\*ginseng\*\*\* whose roots  
 closely approximate the appearance of  
 true \*\*\*wild\*\*\* American  
 \*\*\*ginseng\*\*\*, an internationally  
 protected species), while world market  
 prices of field \*\*\*cultivated\*\*\*  
 \*\*\*ginseng\*\*\* (raised in beds  
 under artificial shade) have dropped to  
 near the actual cost of production  
 in recent years. The article discusses  
 the legal constraints involved in  
 ginseng production in the USA, pests, the  
 native range of American  
 ginseng, seed dormancy and  
 stratification, site assessment and  
 preparation, planting, maintenance,  
 harvesting and drying, and economics  
 and markets.

CC KK600 Agroforestry; FF100 Plant  
 Production; FF150 Plant Cropping Systems;  
 EE200 Farming Systems and Management;  
 EE700 Distribution and Marketing of  
 Products; DD500 Laws and Regulations;  
 PP720 Biological Resources (Plant);  
 EE130 Supply, Demand and Prices

GT USA  
 BT Panax; Araliaceae; Apiales; dicotyledons;  
 angiosperms; Spermatophyta;  
 plants; North America; America; Developed  
 Countries; OECD Countries  
 CT agroforestry; agrosilvicultural systems;  
 forests; protected species;  
 cultural methods; markets; prices;  
 constraints; agricultural law;  
 geographical distribution; plant pests;  
 seed dormancy; stratification;  
 site class assessment; site preparation;  
 tillage; planting; maintenance;  
 harvesting; drying; medicinal plants;  
 private forestry; traditional  
 medicines; farm forestry; production  
 possibilities

ORGN Panax quinquefolius

L9 ANSWER 8 OF 18 BIOBUSINESS COPYRIGHT

2002 BIOSIS

AN 1998:45509 BIOBUSINESS

DN 0997332

TI Thunderhead nectars.

AU Anon

SO New Product News, (1998) Vol.34, No.5,  
 June, p.20.

ISSN: 1048-020X.

DT ARTICLE

FS UNIQUE

LA English

CC 41100 FRUITS, NUTS & VEGETABLES

ST NEW PRODUCT ANNOUNCEMENT BEVERAGE

INDUSTRY BRAND NAME NEW PRODUCTS

FRUIT JUICE INGREDIENT \*\*\*HONEY\*\*\*

VITAMINS HERBS VARIETIES

STRAWBERRY-KIWI ORANGE-RASPBERRY APPLE-

\*\*\*GINSENG\*\*\* \*\*\*WILD\*\*\*

GRAPE CRANBERRY-APPLE NATURAL PEACH

TROPICAL FRUIT RETAIL PRICES

CO THUNDERHEAD BEVERAGES, CINCINNATI, OH

L9 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2002

ACS DUPLICATE 4

AN 1998:104684 CAPLUS

DN 128:178125

TI Analysis of morphology and protein  
 electrophoresis of \*\*\*wild\*\*\* and  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*

(Panax ginseng C. A. Mey.) seeds

AU Zhang, Zhie; Shi, Sixin; Xiao, Jianping

CS Institute of Crop Germplasm Resources,

Chinese Academy of Agricultural

Sciences, Beijing, 100081, Peop. Rep.

China

SO Zhiwu Ziyuan Yu Huanjing (1997), 6(4),  
 19-23

CODEN: ZZYHEJ; ISSN: 1004-0978

PB Zhiwu Ziyuan Yu Huanjing Bianjibu

DT Journal

LA Chinese

CC 11-1 (Plant Biochemistry)

AB Morphol. and alc.-sol. protein

electrophoresis patterns of \*\*\*wild\*\*\*

and \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*

(Panax C. A. Mey.) seeds were

compared and analyzed. There were

significant differences in size, color,

shape and surface sculpture of seed

between \*\*\*wild\*\*\* and

\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*.

The pattern of protein bands and

protein content of the same loci ginseng

were less than those of

cultivated ones, but polymorphism of the

protein bands between wild seeds

were present. It is confirmed that there

is significant genetic

difference between \*\*\*wild\*\*\* and

\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*

ST Panax ginseng seed morphol protein  
 electrophoresis

IT Proteins, general, biological studies

RL: ANT (Analyte); BOC (Biological

occurrence); BSU (Biological study,

unclassified); ANST (Analytical study);

BIOL (Biological study); OCCU

(Occurrence)

(anal. of morphol. and protein  
 electrophoresis of \*\*\*wild\*\*\* and

\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*

(Panax ginseng C. A. Mey.) seeds)

IT Cell morphology

(seed of Panax ginseng; anal. of

morphol. and protein electrophoresis

of \*\*\*wild\*\*\* and

\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* (Panax  
 ginseng C. A. Mey.) seeds)

IT Ginseng (Panax pseudoginseng)

(seed of; anal. of morphol. and

protein electrophoresis of \*\*\*wild\*\*\*

and \*\*\*cultivated\*\*\*

\*\*\*ginseng\*\*\* (Panax ginseng C. A. Mey.)  
 seeds)

L9 ANSWER 10 OF 18 CABA COPYRIGHT 2002 CABI

AN 97:34716 CABA

DN 970602316

TI "Wild-simulated" forest farming for  
 ginseng production

AU Hankins, A.

CS Virginia Cooperative Extension, Virginia

State University, PO Box 9081,

Petersburg, VA 23806, USA.

SO Temperate Agroforester, (1997) Vol. 5,  
No. 1, pp. 6-7.  
DT Journal  
LA English  
AB The dried roots of American ginseng  
(Panax quinquefolius) female from  
cultivated plants or collected from the  
wild - are exported on a wide  
scale from the USA to oriental countries,  
where the wild dried roots are  
preferred (and fetch a very much higher  
price) since they are more like  
\*\*\*wild\*\*\* Oriental \*\*\*ginseng\*\*\*  
(P. ginseng [P. pseudoginseng]).  
This short paper describes a method for  
\*\*\*cultivated\*\*\*  
\*\*\*ginseng\*\*\* which simulates  
\*\*\*wild\*\*\* conditions of growth, does  
not require fungicidal treatment (unlike  
the usual intensive cultivation  
method under artificial shade), has low  
establishment costs, and produces  
roots which command the same high prices  
as those from real \*\*\*wild\*\*\*  
\*\*\*ginseng\*\*\*. Site selection is  
important - N. or E. facing slopes with  
at least a 75% shade canopy, preferably  
under deep rooted deciduous trees  
such as oaks [Quercus] and poplars  
[Populus], and in a moist well drained  
soil. Other ecological characteristics of  
the site, site preparation, and  
planting are briefly described. The roots  
are dug up 6-10 yr after  
planting, with no cultural work being  
required in the interim period.  
Investment costs and marketing are  
outlined.  
CC KK600 Agroforestry; FF150 Plant Cropping  
Systems; EE200 Farming Systems  
and Management; EE130 Supply, Demand and  
Prices; EE600 International Trade  
GT USA  
BT Fagaceae; Fagales; dicotyledons;  
angiosperms; Spermatophyta; plants;  
Salicaceae; Salicales; Panax; Araliaceae;  
Apiales; Developed Countries;  
North America; America; OECD Countries  
CT agroforestry systems; woodlands; exports;  
prices; medicinal plants;  
vegetation types; deciduous forests;  
agroforestry; agrosilvicultural  
systems  
ORGN Quercus; Populus; Panax quinquefolius

L9 ANSWER 11 OF 18 BIOBUSINESS COPYRIGHT  
2002 BIOSIS  
AN 93:11745 BIOBUSINESS  
DN 0510391  
TI \*\*\*Wild\*\*\* -simulated \*\*\*ginseng\*\*\*  
cultivation: Home-grown ginseng  
can be worth as much as wild.  
AU HANKINS A  
SO BUSINESS OF HERBS, (1993) VOL.11, NO.1,  
March-April, P.32-35.  
FS UNIQUE  
LA ENGLISH  
AB In 1988, a pound of \*\*\*wild\*\*\*  
\*\*\*ginseng\*\*\* roots sold for \$280  
compared to \$30 per pound for  
\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*

roots. \*\*\*Wild\*\*\* -simulated  
\*\*\*ginseng\*\*\* cultivation, not without  
risk, can be done without using  
fungicides and expensive startup costs and  
can command prices comparable to  
\*\*\*wild\*\*\* \*\*\*ginseng\*\*\*.  
CC 21100 PHARMACOLOGY & CHEMOTHERAPY; 21300  
NATURAL PRODUCTS; 62200 CROP  
PRODUCTION  
ST AGRICULTURE; CROP INDUSTRY; HERBS &  
SPICES; TRADITIONAL MEDICINE;  
PHARMACEUTICALS; MARKET PRICE;  
CULTIVATION GUIDELINES; STARTUP COST;  
FUNGICIDE FREE; USA

L9 ANSWER 12 OF 18 FSTA COPYRIGHT 2002  
IFIS  
AN 1994(03):H0051 FSTA  
TI [Composition of mineral components of  
ginseng on age and cultivated area.]  
AU Byeong-Seon Jeon; Jai-Won Yang; Chae-Kyu  
Park; Sung-Ryong Ko; Horino, T.;  
Jong-Rok Son; Won-Jong Park  
CS Korea Ginseng & Tobacco Res. Inst.,  
Daejeon 305-345, Korea  
SO Journal of the Korean Society of Food and  
Nutrition, (1993), 22 (5)  
592-595, 21 ref.  
DT Journal  
LA Korean  
SL English  
AB Effects of area of cultivation (4 Korean  
provinces were studied) and age  
(2-6 yr) on the mineral composition of  
ginseng were investigated. Mineral  
composition of ginseng was determined by  
AAS. Mn.sup.2.sup.+ content of  
5-yr old ginseng was 4 fold greater than  
that of 2-yr old ginseng.  
Ca.sup.2.sup.+ and Mn.sup.2.sup.+  
contents of ginsengs studied were  
variable; this variability was not  
evident in the P content of ginseng.  
Mineral composition of \*\*\*ginseng\*\*\*  
(red, \*\*\*wild\*\*\* and  
\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* )  
cultivated in Korea, China, Canada  
and the USA were compared. Korean red  
ginseng had the highest Mn content  
(8.29 mg/100 g). Higher P contents were  
also observed in Korean ginsengs.  
[From En summ.]  
CC H (Alcoholic and Non-Alcoholic Beverages)  
CT AGRICULTURE; BEVERAGES; CULTIVATION;  
GINSENG; MINERALS

=> d 19 12-20

L9 ANSWER 12 OF 18 FSTA COPYRIGHT 2002  
IFIS  
AN 1994(03):H0051 FSTA  
TI [Composition of mineral components of  
ginseng on age and cultivated area.]  
AU Byeong-Seon Jeon; Jai-Won Yang; Chae-Kyu  
Park; Sung-Ryong Ko; Horino, T.;  
Jong-Rok Son; Won-Jong Park  
CS Korea Ginseng & Tobacco Res. Inst.,  
Daejeon 305-345, Korea

SO Journal of the Korean Society of Food and  
Nutrition, (1993), 22 (5)  
592-595, 21 ref.

DT Journal  
LA Korean  
SL English

L9 ANSWER 13 OF 18 MEDLINE  
AN 90148093 MEDLINE  
DN 90148093 PubMed ID: 2619887  
TI Study on the biological nature of ginseng  
pearl knot.

AU Li M; Li R J; Liu M Y  
SO CHUNG-KUO CHUNG YAO TSA CHIH CHINA  
JOURNAL OF CHINESE MATERIA MEDICA,  
(1989 Nov) 14 (11) 654-5, 701.  
Journal code: 8913656. ISSN: 1001-5302.

CY China  
DT Journal; Article; (JOURNAL ARTICLE)  
LA Chinese  
FS Priority Journals  
EM 199003  
ED Entered STN: 19900601  
Last Updated on STN: 19900601  
Entered Medline: 19900321

L9 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2002  
ACS DUPLICATE 5  
AN 1990:175691 CAPLUS  
DN 112:175691  
TI Comparative analysis of trace elements in  
\*\*\*wild\*\*\* and

\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*  
AU Wei, Yongjia; Wu, Guangxuan; Wang,  
Chunrong; Song, Changchun; Ma,  
Xingyuan; Xu, Jingda  
CS Dep. Chem., Norman Bethune Univ. Med.  
Sci., Changchun, Peop. Rep. China  
SO Baiquien Yike Daxue Xuebao (1989), 15(5),  
478-80

CODEN: PEIPDB; ISSN: 0253-3707  
DT Journal  
LA Chinese

L9 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2002  
ACS  
AN 1990:33366 CAPLUS  
DN 112:33366  
TI Analysis of amino acid composition and  
total content of the ginsenoside in  
wild and cultivated ginsengs

AU Zhao, Zongjian  
CS Dep. Mol. Biol., Jilin Univ., Changchun,  
Peop. Rep. China  
SO Jilin Daxue Ziran Kexue Xuebao (1989),  
(3), 99-101  
CODEN: CLTTDI; ISSN: 0529-0279  
DT Journal  
LA Chinese

L9 ANSWER 16 OF 18 BIOSIS COPYRIGHT 2002  
BIOLOGICAL ABSTRACTS INC.  
AN 1990:266143 BIOSIS  
DN BA90:8229  
TI STUDY ON THE BIOLOGICAL NATURE OF GINSENG  
PEARL KNOTS.  
AU LIU M; LI R; LIU M  
CS DEP. BIOL., HARBIN NORMAL UNIV., CHINA.  
SO CHINA J CHIN MATER MED, (1989) 14 (11),  
14-15,61.  
CODEN: ZZZAE3.

FS BA; OLD  
LA Chinese

L9 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2002  
ACS  
AN 1989:21133 CAPLUS  
DN 110:21133  
TI Comparative analysis of the contents of  
\*\*\*ginseng\*\*\* saponins in  
\*\*\*wild\*\*\* \*\*\*ginseng\*\*\* and  
\*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*  
AU Wu, Guangxuan; Wei, Yongdi; Song,  
Changchun; Wang, Chunrong; Ma, Xingyuan;  
Xu, Jingda; Zhang, Dexi; Jiang, Xikun  
CS Bethune Univ. Med. Sci., Changchun, Peop.  
Rep. China  
SO Yaoxue Tongbao (1988), 23(7), 397-8  
CODEN: YHTPAD; ISSN: 0512-7343  
DT Journal  
LA Chinese

L9 ANSWER 18 OF 18 FEDRIP COPYRIGHT 2002  
NTIS  
AN 2002:108794 FEDRIP  
NR AGRIC 0174404  
TI WOODS \*\*\*CULTIVATED\*\*\*  
\*\*\*GINSENG\*\*\* PANAX QUINQUEFOLIUM IN NY &  
THE NORTHEAST: SUSTAINABLE AGROFORESTRY  
SF Principal Investigator: (small scale  
operations)  
Buck, L. E.  
Lassoie, J. P.  
Mudge, K. W.  
CSP CORNELL UNIVERSITY, NATURAL RESOURCES,  
ITHACA, NEW YORK, 14853  
FU HATCH |c H  
FS Department of Agriculture

=> d 19 12-20 all

L9 ANSWER 12 OF 18 FSTA COPYRIGHT 2002  
IFIS  
AN 1994(03):H0051 FSTA  
TI [Composition of mineral components of  
ginseng on age and cultivated area.]  
AU Byeong-Seon Jeon; Jai-Won Yang; Chae-Kyu  
Park; Sung-Ryong Ko; Horino, T.;  
Jong-Rok Son; Won-Jong Park  
CS Korea Ginseng & Tobacco Res. Inst.,  
Daejeon 305-345, Korea  
SO Journal of the Korean Society of Food and  
Nutrition, (1993), 22 (5)  
592-595, 21 ref.  
DT Journal  
LA Korean  
SL English  
AB Effects of area of cultivation (4 Korean  
provinces were studied) and age  
(2-6 yr) on the mineral composition of  
ginseng were investigated. Mineral  
composition of ginseng was determined by  
AAS. Mn.sup.2.sup.+ content of  
5-yr old ginseng was 4 fold greater than  
that of 2-yr old ginseng.  
Ca.sup.2.sup.+ and Mn.sup.2.sup.+  
contents of ginsengs studied were  
variable; this variability was not  
evident in the P content of ginseng.

Mineral composition of \*\*\*ginseng\*\*\*  
 (red, \*\*\*wild\*\*\* and  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* ).  
 cultivated in Korea, China, Canada  
 and the USA were compared. Korean red  
 ginseng had the highest Mn content  
 (8.29 mg/100 g). Higher P contents were  
 also observed in Korean ginsengs.  
 [From En summ.]  
 CC H (Alcoholic and Non-Alcoholic Beverages)  
 CT AGRICULTURE; BEVERAGES; CULTIVATION;  
 GINSENG; MINERALS

L9 ANSWER 13 OF 18 MEDLINE  
 AN 90148093 MEDLINE  
 DN 90148093 PubMed ID: 2619887  
 TI Study on the biological nature of ginseng  
 pearl knot.  
 AU Li M; Li R J; Liu M Y  
 SO CHUNG-KUO CHUNG YAO TSA CHIH CHINA  
 JOURNAL OF CHINESE MATERIA MEDICA,  
 (1989 Nov) 14 (11) 654-5, 701.  
 Journal code: 8913656. ISSN: 1001-5302.  
 CY China  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA Chinese  
 FS Priority Journals  
 EM 199003  
 ED Entered STN: 19900601  
 Last Updated on STN: 19900601  
 Entered Medline: 19900321  
 AB Pearl knots of the root system of  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*  
 in different ages and different  
 development stages were studied and  
 compared with \*\*\*wild\*\*\*  
 \*\*\*ginseng\*\*\* . It has been found that the  
 biological nature of pearl knots is the  
 foundation of seasonal absorbing  
 root of ginseng. It is pointed out that  
 to remove the cold-proof matter  
 later and keep suitable soil water in  
 spring are important to prevent cold  
 injury and promote growth of root system  
 of ginseng. Key words ginseng;  
 pearl knot; seasonal absorbing root  
 CT Check Tags: Comparative Study  
 English Abstract  
 \*Panax: GD, growth & development  
 Panax: UL, ultrastructure  
 \*Plants, Medicinal  
 Seasons

L9 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2002  
 ACS DUPLICATE 5  
 AN 1990:175691 CAPLUS  
 DN 112:175691  
 TI Comparative analysis of trace elements in  
 \*\*\*wild\*\*\* and  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*  
 AU Wei, Yongjia; Wu, Guangxuan; Wang,  
 Chunrong; Song, Changchun; Ma,  
 Xingyuan; Xu, Jingda  
 CS Dep. Chem., Norman Bethune Univ. Med.  
 Sci., Changchun, Peop. Rep. China  
 SO Baiqiu'en Yike Daxue Xuebao (1989), 15(5),  
 478-80  
 CODEN: PEIPDB; ISSN: 0253-3707  
 DT Journal  
 LA Chinese  
 CC 11-1 (Plant Biochemistry)

Section cross-reference(s): 63  
 AB Contents of trace elements were generally  
 higher in the root of  
 \*\*\*wild\*\*\* \*\*\*ginseng\*\*\* (Panax  
 \*\*\*ginseng\*\*\* ) than in its  
 cultivated counterpart. The contents of  
 17 elements in rhizome, root, and  
 root hair of \*\*\*wild\*\*\* and  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* are  
 tabulated.  
 ST Panax trace element  
 IT Mineral elements  
 Trace elements, biological studies  
 RL: BIOL (Biological study)  
 (in \*\*\*wild\*\*\* and  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* )  
 IT Ginseng  
 (P. pseudoginseng, trace elements of  
 wild and cultivated)  
 IT 7429-90-5, Aluminum, biological studies  
 7439-89-6, Iron, biological  
 studies 7439-95-4, Magnesium,  
 biological studies 7439-96-5, Manganese,  
 biological studies 7440-02-0, Nickel,  
 biological studies 7440-09-7,  
 Potassium, biological studies 7440-23-  
 5, Sodium, biological studies  
 7440-24-6, Strontium, biological studies  
 7440-32-6, Titanium, biological  
 studies 7440-39-3, Barium, biological  
 studies 7440-47-3, Chromium,  
 biological studies 7440-48-4, Cobalt,  
 biological studies 7440-50-8,  
 Copper, biological studies 7440-62-2,  
 Vanadium, biological studies  
 7440-66-6, Zinc, biological studies  
 7440-70-2, Calcium, biological  
 studies 7723-14-0, Phosphorus,  
 biological studies  
 RL: BIOL (Biological study)  
 (in \*\*\*wild\*\*\* and  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* )

L9 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2002  
 ACS  
 AN 1990:33366 CAPLUS  
 DN 112:33366  
 TI Analysis of amino acid composition and  
 total content of the ginsenoside in  
 wild and cultivated ginsengs  
 AU Zhao, Zongjian  
 CS Dep. Mol. Biol., Jilin Univ., Changchun,  
 Peop. Rep. China  
 SO Jilin Daxue Ziran Kexue Xuebao (1989),  
 (3), 99-101  
 CODEN: CLTTDI; ISSN: 0529-0279  
 DT Journal  
 LA Chinese  
 CC 11-1 (Plant Biochemistry)  
 Section cross-reference(s): 26  
 AB \*\*\*Wild\*\*\* \*\*\*ginseng\*\*\*  
 contained 20-55% higher levels of  
 saponins (ginsenosides) than  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* . The  
 amino acid compn. and protein contents in  
 \*\*\*wild\*\*\* and  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*  
 are tabulated. \*\*\*Wild\*\*\* and  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*  
 contained 6.99-9.43 and 7.04% (dry  
 wt.) proteins, resp.



ST ginseng ginsenoside protein amino acid  
 IT Amino acids, biological studies  
 Proteins, biological studies  
 RL: BIOL (Biological study)  
 (of \*\*\*wild\*\*\* and  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* )  
 IT \*\*\*Ginseng\*\*\*  
 ( \*\*\*wild\*\*\* and cultivated,  
 ginsenosides and amino acids of)  
 IT Glycosides  
 RL: BIOL (Biological study)  
 (ginsenosides, of \*\*\*wild\*\*\* and  
 \*\*\*cultivated\*\*\*  
 \*\*\*ginseng\*\*\* )

L9 ANSWER 16 OF 18 BIOSIS COPYRIGHT 2002  
 BIOLOGICAL ABSTRACTS INC.  
 AN 1990:266143, BIOSIS  
 DN BA90:8229  
 TI STUDY ON THE BIOLOGICAL NATURE OF GINSENG  
 PEARL KNOTS.  
 AU LIU M; LI R; LIU M  
 CS DEP. BIOL., HARBIN NORMAL UNIV., CHINA.  
 SO CHINA J CHIN MATER MED, (1989) 14 (11),  
 14-15,61.  
 CODEN: ZZZAE3.  
 FS BA; OLD  
 LA Chinese  
 AB Pearl knots of the root system of  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*  
 in different ages and different  
 development stages were studied and  
 compared and compared with \*\*\*wild\*\*\*  
 \*\*\*ginseng\*\*\* . It has been  
 found that the biological nature of pearl  
 knots is the foundation of  
 seasonal absorbing root of ginseng. It is  
 pointed out that to remove the  
 cold-proof matter later and keep suitable  
 soil water in spring are  
 important to prevent cold injury and  
 promote growth of root system of  
 ginseng.  
 CC Physical Anthropology; Ethnobiology  
 \*05000  
 Ecology; Environmental Biology -  
 Bioclimatology and Biometeorology 07504  
 Biochemical Studies - General 10060  
 External Effects - Temperature as a  
 Primary Variable - Cold 10616  
 Pharmacology - General 22002  
 Plant Physiology, Biochemistry and  
 Biophysics - Water Relations \*51502  
 Plant Physiology, Biochemistry and  
 Biophysics - Growth, Differentiation  
 \*51510  
 Plant Physiology, Biochemistry and  
 Biophysics - General and Miscellaneous  
 \*51526  
 Agronomy - General, Miscellaneous and  
 Mixed Crops \*52502  
 Pharmacognosy and Pharmaceutical Botany  
 54000  
 IT Miscellaneous Descriptors  
 SEASONAL ABSORBING ROOT  
 \*\*\*CULTIVATED\*\*\* \*\*\*GINSENG\*\*\*  
 \*\*\*WILD\*\*\* \*\*\*GINSENG\*\*\* COLD  
 INJURY FOLK MEDICINE CHINA

L9 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2002  
 ACS

AN 1989:21133 CAPLUS  
 DN 110:21133  
 TI Comparative analysis of the contents of  
 \*\*\*ginseng\*\*\* saponins in  
 \*\*\*wild\*\*\* \*\*\*ginseng\*\*\* and  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\*  
 AU Wu, Guangxuan; Wei, Yongdi; Song,  
 Changchun; Wang, Chunrong; Ma, Xingyuan;  
 Xu, Jingda; Zhang, Dexi; Jiang, Xikun  
 CS Bethune Univ. Med. Sci., Changchun, Peop.  
 Rep. China  
 SO Yaoxue Tongbao (1988), 23(7), 397-8  
 CODEN: YHTPAD; ISSN: 0512-7343  
 DT Journal  
 LA Chinese  
 CC 11-1 (Plant Biochemistry)  
 AB \*\*\*Wild\*\*\* and \*\*\*cultivated\*\*\*  
 \*\*\*ginseng\*\*\* (root) contained  
 5.17-7.75% and 4.06-4.50% saponins,  
 resp., and 3.26-4.99% and 2.39-2.60%  
 total ginsenosides, resp. The  
 ginsenoside compns. of 5 ginseng samples  
 are reported.  
 ST ginseng saponin ginsenoside  
 IT Saponins  
 RL: BIOL (Biological study)  
 (from \*\*\*wild\*\*\* and  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* )  
 IT Ginseng  
 (saponins from)  
 IT 11021-13-9, Ginsenoside Rb2 11021-14-0,  
 Ginsenoside Rc 22427-39-0,  
 Ginsenoside Rg1 41753-43-9, Ginsenoside  
 Rb1 52286-58-5, Ginsenoside Rf  
 52286-59-6, Ginsenoside Re 52286-74-5,  
 Ginsenoside Rg2 52705-93-8,  
 Ginsenoside Rd  
 RL: BIOL (Biological study)  
 (from \*\*\*wild\*\*\* and  
 \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* )

L9 ANSWER 18 OF 18 FEDRIP COPYRIGHT 2002  
 NTIS  
 AN 2002:108794 FEDRIP  
 NR AGRIC 0174404  
 TI WOODS \*\*\*CULTIVATED\*\*\*  
 \*\*\*GINSENG\*\*\* PANAX QUINQUEFOLIUM IN NY &  
 THE NORTHEAST: SUSTAINABLE AGROFORESTRY  
 SF Principal Investigator: (small scale  
 operations)  
 Buck, L. E.  
 Lassoie, J. P.  
 Mudge, K. W.  
 CSP CORNELL UNIVERSITY, NATURAL RESOURCES,  
 ITHACA, NEW YORK, 14853  
 FU HATCH |c H  
 FS Department of Agriculture  
 SUM Ginseng (Panax quinquefolium) Soil  
 Characterization and Ecological  
 Assessment: 1.1. To characterize the soil  
 properties that \*\*\*wild\*\*\*  
 \*\*\*ginseng\*\*\* thrives in throughout  
 NY State. 1.2 To characterize other  
 key ecological attributes of the plant's  
 native environment. Analysis of  
 Ginsenosides in Cultivated and  
 \*\*\*Wild\*\*\* American \*\*\*Ginseng\*\*\* ,  
 Panax quinquefolium: 2.1. To develop a  
 suitable protocol for quantitative  
 and qualitative analysis of the 7 most  
 common and most diagnostic

ginsenosides (Rg1, Re, Rf, Rb1, Rc, Rb2, Rd). 2.2. To determine relative concentrations of ginsenosides in American ginseng from intensively cultivated, woods-grown, and wild sources. 2.3. To determine whether the perception of higher quality and difference in price is related in any way to ginsenoside content. Prototype Cultivation Trials: 3.1. To assess the effect of strategically selected germplasm sources and cultural treatments on ginseng performance (growth, yield, ginsenoside content) in "prototype" forest beds. 3.2. To develop a woods \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* demonstration models for observation and evaluation by growers and potential growers, promoters, and researchers engaged in the project's learning process. Market and Enterprise Analysis: 4.1. To characterize the market forces and enterprise decisions affecting participation in the woods \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* industry. The project will employ an interdisciplinary, collaborative approach using ecological assessment, experimentation, case studies and informed participant interaction to advance learning about the potential for improving and expanding a woods \*\*\*cultivated\*\*\* \*\*\*ginseng\*\*\* industry in New York and the Northeast. PR we evaluated the ginsenosidal properties of American ginseng to determine the relative significance of genotype vs. environmental factors in the concentrations of these active ingredients in ginseng root. Our aim was to relate this information to variation in market price between woods grown and artificially shaded cultivation methods. The second line of inquiry involved assessing ecological site suitability for woods grown ginseng by examining site characteristics of wild populations, and by monitoring the performance of ginseng trials under different site conditions. An emphasis was on developing assessment protocols that educators and landowners could use in site selection. A third thrust of the research involved developing a system of learning about effective ginseng cultivation methods, and the economic viability of investing in ginseng production. The aim was to unite campus based professionals, field base educators, land owners and entrepreneurs in developing trials that could be systematically monitored for plant performance, as well as costs and revenues, throughout the production cycle of a ginseng crop. The ginsenoside evaluation work progressed from learning to measure efficiently, to developing a quasi-experimental trial

to test for ginsenoside differences among different geographic sources, to establishing a replicated experiment of 8 genotypes to examine their performance under 3 sets of environmental conditions. In the quasi-experimental trial, the percent dry weight of 6 common ginsenosides and the total ginsenoside content from roots originating from each of 7 sources, all grown for several years at a common location, showed significant variation between geographic sources for the most abundant ginsenoside, Rb1 and Rc. In establishing the experiment on 3 farms we found significant genotype differences when sampled at Time 0 (Fall 2000). The experiment is secured at sites that will be monitored for at least 5 years. Regarding site suitability, in NY and the Northeast ginseng is most commonly found on northeastern slopes, in mixed hardwood forest dominated by sugar maple, and 80-90% shade. Soils are uncommonly high in Ca with a relatively low pH. The plant's common association with sugar maple is explained partially by the hydraulic lift function that maple plays to the benefit of ginseng under draught stress, and by high concentrations of Ca in maple leaf litter. We have identified a number of herbaceous understory plants that are common where \*\*\*wild\*\*\* populations of \*\*\*ginseng\*\*\* are found. We have developed a visual site suitability assessment protocol that landowners can use to assess the potential for ginseng performance on their land and to help choose an optimum site. We have established a network of some 100 landowners, supported by some 35 educators, who are monitoring woods grown ginseng trials in 6 northeastern states to help determine the agronomic feasibility and economic viability of ginseng as a forest crop under prevailing market conditions. Data are being compiled and analyzed by the Agroforestry Extension Program at Cornell University. PB Agroforestry System. In: Beyfuss, R.L., (ed). American Ginseng Production in the 21st Century. Proceedings of an International Conference, Leeds NY, September 8-10, 2000. Greene County Cooperative Extension, Cairo, NY. CACA sustainable agriculture; agroforestry; ginseng; cultural practices; soil properties; wild plants; native plants; soil plant relations; plant chemistry; plant extracts; chemical analysis; plant performance; genetic stocks; market potentials; market analysis; small scale operations

=> d his

(FILE 'HOME' ENTERED AT 10:59:40 ON 18  
DEC 2002)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS,  
AGRICOLA, ANABSTR, AQUASCI,  
BIOBUSINESS, BIOCOMMERCE, BIOSIS,  
BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,  
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN,  
CONFSCI, CROPB, CROPU, DDFB,  
DDFU, DGENE, DRUGB, DRUGLAUNCH,  
DRUGMONOG2, ...' ENTERED AT 10:59:49 ON  
18 DEC 2002

SEA WILD(2A) GINSENG

6 FILE AGRICOLA  
1 FILE ANABSTR  
1 FILE AQUASCI  
4 FILE BIOBUSINESS  
23 FILE BIOSIS  
1 FILE BIOTECHABS  
1 FILE BIOTECHDS  
3 FILE BIOTECHNO  
16 FILE CABA  
1 FILE CANCERLIT  
25 FILE CAPLUS  
2 FILE CONFSCI  
4 FILE DDFU  
1 FILE DRUGLAUNCH  
1 FILE DRUGMONOG2  
4 FILE DRUGU  
5 FILE EMBASE  
4 FILE ESBIODASE  
2 FILE FEDRIP  
1 FILE FROSTI  
2 FILE FSTA  
3 FILE IFIPAT  
1 FILE JICST-EPLUS  
2 FILE LIFESCI  
8 FILE MEDLINE  
5 FILE PASCAL  
42 FILE PROMT  
8 FILE SCISEARCH  
3 FILE TOXCENTER  
6 FILE USPATFULL  
27 FILE WPIDS  
27 FILE WPINDEX  
8 FILE NAPRALERT

L1 QUE WILD(2A) GINSENG

SEA L1 AND LYCII

L2 QUE L1 AND LYCII

SEA L2 AND (CNIDII OR ANGELIC?  
OR CULTIVATED GINSENG OR CERVIE

0\* FILE BIOTECHNO  
SEA L1 AND (CNIDII OR ANGELIC?  
OR CULTIVATED GINSENG OR CERVIE

2 FILE BIOBUSINESS  
3 FILE BIOSIS  
1 FILE BIOTECHABS  
1 FILE BIOTECHDS  
3 FILE CABA  
6 FILE CAPLUS  
2 FILE DDFU  
2 FILE DRUGU  
1 FILE EMBASE  
1 FILE FEDRIP

1 FILE FROSTI  
1 FILE FSTA  
2 FILE MEDLINE  
6 FILE PROMT  
3 FILE USPATFULL  
6 FILE WPIDS  
6 FILE WPINDEX  
1 FILE NAPRALERT

L3 QUE L1 AND (CNIDII OR ANGELIC?  
OR CULTIVATED GINSENG OR CERVIE

SEA L1 AND (REHMANNIAE OR  
POLYGONI OR ADENOPHORAE OR LIRIOPIS O

2 FILE PROMT  
1 FILE WPIDS  
1 FILE WPINDEX

L4 QUE L1 AND (REHMANNIAE OR  
POLYGONI OR ADENOPHORAE OR LIRIOPIS O

SEA L3 AND L4

L5 QUE L3 AND L4

SEA L3 OR L4

2 FILE BIOBUSINESS  
3 FILE BIOSIS  
1 FILE BIOTECHABS  
1 FILE BIOTECHDS  
3 FILE CABA  
6 FILE CAPLUS  
2 FILE DDFU  
2 FILE DRUGU  
1 FILE EMBASE  
1 FILE FEDRIP  
1 FILE FROSTI  
1 FILE FSTA  
2 FILE MEDLINE  
7 FILE PROMT  
3 FILE USPATFULL  
7 FILE WPIDS  
7 FILE WPINDEX  
1 FILE NAPRALERT

L6 QUE L3 OR L4

FILE 'CAPLUS, BIOSIS, CABA, NAPRALERT'  
ENTERED AT 11:17:51 ON 18 DEC 2002  
L7 13 S L6

FILE 'CAPLUS, BIOSIS, CABA, BIOBUSINESS,  
DDFU, MEDLINE, BIOTECHABS,  
EMBASE, FEDRIP, FROSTI, FSTA, NAPRALERT'  
ENTERED AT 11:18:26 ON 18 DEC  
2002

L8 24 S L6  
L9 18 DUP REM L8 (6 DUPLICATES  
REMOVED)

=>

---Logging off of STN---

=>  
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS  
SINCE FILE TOTAL

ENTRY SESSION  
FULL ESTIMATED COST  
101.01 164.98

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
SINCE FILE TOTAL

ENTRY SESSION  
CA SUBSCRIBER PRICE  
-3.72 -3.72

STN INTERNATIONAL LOGOFF AT 11:28:09 ON 18 DEC  
2002

Connection closed by remote host

Welcome to STN International! Enter x:x

LOGINID:sssptal651pxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN  
International \*\*\*\*\*

NEWS 1 Web Page URLs for STN  
Seminar Schedule - N. America  
NEWS 2 Apr 08 "Ask CAS" for self-help  
around the clock  
NEWS 3 Apr 09 BEILSTEIN: Reload and  
Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications  
available in IFICDB, IFIPAT, and IFIUDB  
NEWS 6 Apr 22 Records from IP.com  
available in CAPLUS, HCAPLUS, and ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now  
available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress  
(FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for  
search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains  
STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28,  
2002;  
saved answer sets no longer  
valid  
NEWS 14 Jul 29 Enhanced polymer searching  
in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from  
STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter (PHARMAML)  
- new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and  
enhanced

NEWS 19 Aug 19 Aquatic Toxicity Information  
Retrieval (AQUIRE)

now available on STN

NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB  
have been reloaded

NEWS 21 Aug 19 The MEDLINE file segment of  
TOXCENTER has been reloaded

NEWS 22 Aug 26 Sequence searching in  
REGISTRY enhanced

NEWS 23 Sep 03 JAPIO has been reloaded and  
enhanced

NEWS 24 Sep 16 Experimental properties  
added to the REGISTRY file

NEWS 25 Sep 16 CA Section Thesaurus  
available in CAPLUS and CA

NEWS 26 Oct 01 CASREACT Enriched with  
Reactions from 1907 to 1985

NEWS 27 Oct 21 EVENTLINE has been reloaded  
NEWS 28 Oct 24 BEILSTEIN adds new search  
fields

NEWS 29 Oct 24 Nutraceuticals International  
(NUTRACEUT) now available on STN

NEWS 30 Oct 25 MEDLINE SDI run of October  
8, 2002

NEWS 31 Nov 18 DKILIT has been renamed  
APOLLIT

NEWS 32 Nov 25 More calculated properties  
added to REGISTRY

NEWS 33 Dec 02 TIBKAT will be removed from  
STN

NEWS 34 Dec 04 CSA files on STN

NEWS 35 Dec 17 PCTFULL now covers WP/PCT  
Applications from 1978 to date

NEWS 36 Dec 17 TOXCENTER enhanced with  
additional content

NEWS 37 Dec 17 Adis Clinical Trials Insight  
now available on STN

NEWS 38 Dec 30 ISMEC no longer available

NEWS 39 Jan 13 Indexing added to some pre-  
1967 records in CA/CAPLUS

NEWS 40 Jan 21 NUTRACEUT offering one free  
connect hour in February 2003

NEWS 41 Jan 21 PHARMAML offering one free  
connect hour in February 2003

NEWS EXPRESS January 6 CURRENT WINDOWS  
VERSION IS V6.01a,

CURRENT MACINTOSH VERSION IS  
V6.0b(ENG) AND V6.0Jb(JP),

AND CURRENT DISCOVER FILE IS  
DATED 01 OCTOBER 2002

NEWS HOURS STN Operating Hours Plus Help  
Desk Availability

NEWS INTER General Internet Information

NEWS LOGIN Welcome Banner and News Items

NEWS PHONE Direct Dial and

Telecommunication Network Access to STN

NEWS WWW CAS World Wide Web Site  
(general information)

Enter NEWS followed by the item number or name  
to see news on that  
specific topic.

All use of STN is subject to the provisions  
of the STN Customer

agreement. Please note that this agreement  
limits use to scientific

research. Use for software development or  
design or implementation

of commercial gateways or other similar uses  
is prohibited and may  
result in loss of user privileges and other  
penalties.

\*\*\*\*\* STN Columbus \*\*\*\*\*  
\*\*\*\*\*

FILE 'HOME' ENTERED AT 14:43:24 ON 27 JAN 2003

=> index bioscience napralert

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
COST IN U.S. DOLLARS  
SINCE FILE TOTAL

ENTRY SESSION  
FULL ESTIMATED COST  
0.21 0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS,  
AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,  
BIOCOMMERCE, BIOSIS, BIOTECHABS,  
BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,  
CAPLUS, CRABA-VTB, CEN, CIN, CONFSCI,  
CROPB, CROPU, DDFB, DDFU, DGENE,  
DRUGB, DRUGLAUNCH, DRUGMONOG2, ...'  
ENTERED AT 14:44:01 ON 27 JAN 2003

65 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term  
postings or to view  
search error messages that display as 0\* with  
SET DETAIL OFF.

=> s wild (3a) ginseng?

6 FILE AGRICOLA  
2 FILE ANABSTR  
1 FILE AQUASCI  
4 FILE BIOBUSINESS  
24 FILE BIOSIS  
1 FILE BIOTECHABS  
1 FILE BIOTECHDS  
3 FILE BIOTECHNO  
18 FILE CABA  
1 FILE CANCERLIT  
26 FILE CAPLUS  
2 FILE CONFSCI  
4 FILE DDFU  
2 FILE DRUGLAUNCH  
1 FILE DRUGMONOG2  
4 FILE DRUGU  
6 FILE EMBASE  
4 FILE ESBIODASE  
2 FILE FEDRIP  
1 FILE FROSTI  
2 FILE FSTA  
4 FILE IFIPAT  
1 FILE JICST-EPLUS  
42 FILES SEARCHED...  
2 FILE LIFESCI  
10 FILE MEDLINE  
1 FILE NTIS  
5 FILE PASCAL  
46 FILE PROMT  
8 FILE SCISEARCH

3 FILE TOXCENTER  
11 FILE USPATFULL  
2 FILE USPAT2  
29 FILE WPIDS  
29 FILE WPINDEX  
9 FILE NAPRALERT

35 FILES HAVE ONE OR MORE ANSWERS, 65  
FILES SEARCHED IN STNINDEX

L1 QUE WILD (3A) GINSENG?

=> s 11 (s) (water or aqueous)

1 FILE AGRICOLA  
1 FILE AQUASCI  
3 FILE BIOSIS  
1 FILE BIOTECHNO  
1 FILE CANCERLIT  
1 FILE CAPLUS  
1 FILE DDFU  
2 FILE DRUGU  
29 FILES SEARCHED...  
1 FILE EMBASE  
1 FILE ESBIODASE  
0\* FILE FEDRIP  
2 FILE IFIPAT  
2 FILE MEDLINE  
1 FILE PASCAL  
5 FILE PROMT  
1 FILE SCISEARCH  
56 FILES SEARCHED...  
1 FILE TOXCENTER  
5 FILE USPATFULL  
1 FILE USPAT2  
4 FILE WPIDS  
4 FILE WPINDEX

20 FILES HAVE ONE OR MORE ANSWERS, 65  
FILES SEARCHED IN STNINDEX

L2 QUE L1 (S) (WATER OR AQUEOUS)

=> d rank

F1 5 PROMT  
F2 5 USPATFULL  
F3 4 WPIDS  
F4 4 WPINDEX  
F5 3 BIOSIS  
F6 2 DRUGU  
F7 2 IFIPAT  
F8 2 MEDLINE  
F9 1 AGRICOLA  
F10 1 AQUASCI  
F11 1 BIOTECHNO  
F12 1 CANCERLIT  
F13 1 CAPLUS  
F14 1 DDFU  
F15 1 EMBASE  
F16 1 ESBIODASE  
F17 1 PASCAL  
F18 1 SCISEARCH  
F19 1 TOXCENTER  
F20 1 USPAT2

=> d rank

F1 5 PROMT  
F2 5 USPATFULL

F3	4	WPIDS
F4	4	WPINDEX
F5	3	BIOSIS
F6	2	DRUGU
F7	2	IFIPAT
F8	2	MEDLINE
F9	1	AGRICOLA
F10	1	AQUASCI
F11	1	BIOTECHNO
F12	1	CANCERLIT
F13	1	CAPLUS
F14	1	DDFU
F15	1	EMBASE
F16	1	ESBIOBASE
F17	1	PASCAL
F18	1	SCISEARCH
F19	1	TOXCENTER
F20	1	USPAT2

=> f11 f1, f5, f6, f8, f9, f10, f11, f12, f13, f18, f19

COST IN U.S. DOLLARS  
SINCE FILE TOTAL

ENTRY	SESSION
FULL ESTIMATED COST	
2.75	2.96

FILE 'PROMT' ENTERED AT 14:46:49 ON 27 JAN 2003  
COPYRIGHT (C) 2003 Gale Group. All rights reserved.

FILE 'BIOSIS' ENTERED AT 14:46:49 ON 27 JAN 2003  
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'DRUGU' ACCESS NOT AUTHORIZED

FILE 'MEDLINE' ENTERED AT 14:46:49 ON 27 JAN 2003

FILE 'AGRICOLA' ENTERED AT 14:46:49 ON 27 JAN 2003

FILE 'AQUASCI' ENTERED AT 14:46:49 ON 27 JAN 2003  
(c) 2003 FAO (on behalf of the ASFA Advisory Board) All rights reserved.

FILE 'BIOTECHNO' ENTERED AT 14:46:49 ON 27 JAN 2003  
COPYRIGHT (C) 2003 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'CANCERLIT' ENTERED AT 14:46:49 ON 27 JAN 2003

FILE 'CAPLUS' ENTERED AT 14:46:49 ON 27 JAN 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'SCISEARCH' ENTERED AT 14:46:49 ON 27 JAN 2003

COPYRIGHT (C) 2003 Institute for Scientific Information (ISI) (R)

FILE 'TOXCENTER' ENTERED AT 14:46:49 ON 27 JAN 2003

COPYRIGHT (C) 2003 ACS

=> s 12

L3 17 L2

=> dup rem 13

PROCESSING COMPLETED FOR L3  
L4 10 DUP REM L3 (7 DUPLICATES REMOVED)

=> d 14 1- ti,bib,abs

YOU HAVE REQUESTED DATA FROM 10 ANSWERS -  
CONTINUE? Y/(N):y

L4 ANSWER 1 OF 10 PROMT COPYRIGHT 2003  
Gale Group

TI Ambrosia Coenzyme Q10 Cleanse  
MANUFACTURER: CA Botana International Inc.  
CATEGORY: 330 - Soap & Body  
Cleansers. (Brief Article) (Product Announcement)

AN 2000:629353 PROMT

TI Ambrosia Coenzyme Q10 Cleanse  
MANUFACTURER: CA Botana International Inc.  
CATEGORY: 330 - Soap & Body  
Cleansers. (Brief Article) (Product Announcement)

SO Product Alert, (24 Jul 2000) Vol. 31, No. 14.

ISSN: 0740-3801.

PB Marketing Intelligence Service Ltd.

DT Newsletter

LA English

WC 136

\*FULL TEXT IS AVAILABLE IN THE ALL  
FORMAT\*

AB San Diego, CA-based CA Botana International Inc. now offers Cleanse in its extensive Ambrosia CoEnzyme Q10 line. Literature for the cleanser

states, "Proper cleansing is the first step. Ambrosia CoEnzyme Q10

Cleanse is rich, milky and \*\*\*water\*\*\*-soluble. It helps keep the

skin clean, healthy and soft. CoEnzymes are uniquely blended in

patent-pending liposomal technology with \*\*\*wild\*\*\* yam,

\*\*\*ginseng\*\*\*, camomile and essential oils to boost the skin's natural

ability to renew itself." The suggested retail price is \$30.00 for a 6.8

oz. pump bottle. Company literature also identifies all CA Botana

products as "safe, biodegradable, 100 percent natural and formulated with

purified \*\*\*water\*\*\*. Formulated without animal testing or

by-products, and with only natural scents, they are derived from

re-growable rather than reproductive resources." For sample retrieval information, please call: Marketing Intelligence Service, Ltd., (716) 374-6326.

THIS IS THE FULL TEXT: COPYRIGHT 2000 Marketing Intelligence Service Ltd.

Subscription: \$600.00 per year. Published semimonthly. 6473 D Route 64, Naples, NY 14512-9726.

L4 ANSWER 2 OF 10 PROMT COPYRIGHT 2003 Gale Group

TI Pulse Enhanced Beverage - Peak; Passion; Power; Performance MANUFACTURER:

Geyser Products, LLC CATEGORY: 217 - Isotonic, Energy Producing Beverages.

AN 2000:573147 PROMT

TI Pulse Enhanced Beverage - Peak; Passion; Power; Performance MANUFACTURER:

Geyser Products, LLC CATEGORY: 217 - Isotonic, Energy Producing Beverages.

SO Product Alert, (12 Jun 2000) Vol. 30, No. 11.

ISSN: 0740-3801.

PB Marketing Intelligence Service Ltd.

DT Newsletter

LA English

WC 136

\*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\*

AB Enhanced Beverages from Mesa, AZ-based Geyser Products, LLC are

promoted with the phrase "Drink Pulse for a natural charge." The light

blue colored Mountain Berry flavored

Performance variety contains ginkgo, ginseng, astragalus and green tea. Label

states that these herbs are

believed to increase stamina, combat mental fatigue and improve brain

function. A partial listing of ingredients also includes pure spring

\*\*\*water\*\*\*, citric acid, potassium benzoate and high fructose corn

syrup. Other varieties in the line

include Peak (strawberry kiwi with aloe vera), Passion (\*\*\*wild\*\*\*

raspberry with \*\*\*ginseng\*\*\*,

damiana, dong quai and gotu kola) and

Power (strawberry colada with guarana, ginseng and ginkgo). Presented

in 16.9 fl. oz. resealable

plastic bottles, they are given a

suggested retail price between 79 and 89

cents. For sample retrieval information, please call: Marketing

Intelligence Service, Ltd., (716) 374-6326.

THIS IS THE FULL TEXT: COPYRIGHT 2000 Marketing Intelligence Service Ltd.

Subscription: \$600.00 per year. Published semimonthly. 6473 D Route 64, Naples, NY 14512-9726.

L4 ANSWER 3 OF 10 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI Ginseng processing method and processed ginseng prepared by the same.

AN 2000:281723 BIOSIS

DN PREV200000281723

TI Ginseng processing method and processed ginseng prepared by the same.

AU Lee, Sang-jun (1)

CS (1) 221-28 Suyu 3-dong, Kangbuk-gu, Seoul North Korea

PI US 6004609 December 21, 1999

SO Official Gazette of the United States

Patent and Trademark Office Patents,

(Dec. 21, 1999) Vol. 1229, No. 3, pp. No pagination. e-file.

ISSN: 0098-1133.

DT Patent

LA English

AB A ginseng processing method and a

processed ginseng prepared by the processing method are provided. The

ginseng processing method includes the steps of: mixing 10.about.99.5 wt % of

grapes and/or wild grapes with

0.5.about.90 wt % of ginseng; adding

\*\*\*water\*\*\* to the mixture of

grapes and/or \*\*\*wild\*\*\* grapes with

\*\*\*ginseng\*\*\* with a weight

ratio of 1.about.10:1; heating the

mixture at 45.about.130degree C. for

1.about.70 hours; and cooling the heated mixture to room temperature.

According to the ginseng processing method using grapes and/or wild

grapes, the side effects caused by taking only ginseng are decreased or

eliminated. Also, the browning of the ginseng is facilitated, reducing the

amount of effort and time required for processing the ginseng. Also, the

processed ginseng is acceptable to many persons in taste, aroma and color,

and can be used in various forms for various purposes.

L4 ANSWER 4 OF 10 PROMT COPYRIGHT 2003 Gale Group

TI New Products: New scents keep coming ...

Wu woos the west

AN 97:440362 PROMT

TI New Products: New scents keep coming ...

Wu woos the west

SO European Cosmetic Markets, (1 Jul 1997)

pp. N/A.

ISSN: 0957-1515.

LA English

WC 125

\*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\*

AB Wu is the name of a new skin care range from China Doll Ltd, that is

claimed to combine the ancient knowledge of Chinese medicine with modern

technology. Products in the Wu range are formulated in China with Chinese

herbs, such as \*\*\*wild\*\*\*

\*\*\*ginseng\*\*\* and \*\*\*water\*\*\* pearls

which are tested on the herbalists

themselves and used in pure, high

concentrations. The 13-product range,

previously only available in Space

NK Apothecary, London, includes two cleansers, two toners, three moisturisers, two eye products, three masks and Pearl & Silk Rejuvenator, said to restore clarity and smoothness for the three conventional skin types.

Launch: Nationwide in the UK in July, with roll-out in France imminent.

Prices: From GBP9.95 for eye products to GBP17.50 for cleansers and toners.

THIS IS THE FULL TEXT: COPYRIGHT 1997 Wilmington Publishing Ltd. (UK)

L4 ANSWER 5 OF 10 PROMT COPYRIGHT 2003 Gale Group

TI Basic Elements Purifying Shampoo - Angelica for Dry, Permed or Color Treated Hair; Water Lily for Normal to Oily Hair; Protective Conditioner - Bayberry Bark MA

AN 94:330999 PROMT

TI Basic Elements Purifying Shampoo - Angelica for Dry, Permed or Color Treated Hair; Water Lily for Normal to Oily Hair; Protective Conditioner - Bayberry Bark MA

SO Product Alert, (6 Jun 1994) pp. N/A. ISSN: 0740-3801.

LA English  
WC 194

\*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\*

AB Inglewood, CA-based Basic Elements has launched a hair care line under the Basic Elements brand name. Angelica Purifying Shampoo for Dry, Permed or Color Treated Hair "gently removes impurities from hair while protecting your perm and color." \*\*\*Water\*\*\* Lily Purifying Shampoo for Normal to Oily Hair "is a mild shampoo particularly well suited for frequent shampooing." Bayberry Bark Protective Conditioner "detangles, moisturizes, builds body and adds shine without build-up." The "pH balanced" products are said to be formulated with the same base of nutrients, vitamins and proteins - purifying or protective root extracts such as angelica, white pond lily and bayberry, as well as \*\*\*ginseng\*\*\*, apple, \*\*\*wild\*\*\* geranium, white willow, cherry, sweet birch and plumeria, and vitamins and whole wheat protein. According to company literature, the "uniformity of ingredients means that your hair gets a steady dose of the nutrients it needs to look and feel healthy... Your hair will absorb just what it needs from the products and the residual will be washed away." All three products are sold in recyclable, color coded bottles. To check the availability and cost of purchasing a sample of this product contact: Marketing Intelligence Service, Ltd., (716) 374-6326.

THIS IS THE FULL TEXT: Copyright 1994 Marketing Intelligence Service Ltd.

L4 ANSWER 6 OF 10 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE

1  
TI Differences in immunomodulating effects between wild and cultured Panax ginseng.

AN 1994:275431 BIOSIS

DN PREV199497288431

TI Differences in immunomodulating effects between wild and cultured Panax ginseng.

AU Mizuno, Masashi (1); Yamada, Junko (1); Terai, Hirofumi (1); Kozuke, Nobuyuki; Lee, Yong Shun; Tsuchida, Hironobu (1)

CS (1) Lab. Utilization Biol. Resources, Kobe Univ., Nada-Ku, Kobe 657 Japan  
SO Biochemical and Biophysical Research Communications, (1994) Vol. 200, No.

3, pp. 1672-1678.

ISSN: 0006-291X.

DT Article

LA English

AB The different effects between

\*\*\*wild\*\*\* and cultured Panax \*\*\*ginseng\*\*\* on immunological activity were investigated. The extracts of hot \*\*\*water\*\*\* soluble fraction from \*\*\*wild\*\*\* Panax

\*\*\*ginseng\*\*\* showed the mitogenic activity to lymphocytes but that from cultured Panax ginseng did not. The mitogenic activity of \*\*\*wild\*\*\* Panax \*\*\*ginseng\*\*\* (100 µg/well) was almost equal to Concanavalin A (0.1 µg/well) which was well-known as one of T cell mitogens. The percentages of Thy 1.2-(pan T cells), L3T4-(helper T cells) and Lyt2-(cytotoxic T cells) positive cell population were significantly increased in the mice orally administered hot \*\*\*water\*\*\* soluble fraction from \*\*\*wild\*\*\* Panax \*\*\*ginseng\*\*\* as compared to control by 31.2, 17.9 and 30.1 percent, respectively.

L4 ANSWER 7 OF 10 (c) 2003 FAO (on behalf of the ASFA Advisory Board) All rights reserved.

TI Water hemlock poisoning -- Maine, 1992

AN 96:3110 AQUASCI

DN ASFA1 1996 25-18157; ASFA3 1996 26-01219

TI Water hemlock poisoning -- Maine, 1992

AU Sweeney, K.; Gensheimer, K.F.; Knowlton-Field, J.; Smith, R.A.

SO J. AM. MED. ASSOC., (1994) vol. 271, no. 19, pp. 1472-1476.

ISSN: 0098-7484.

DT Journal

FS ASFA1; ASFA3

LA English

AB On October 5, 1992, a 23-year-old man and his 39-year-old brother were foraging for \*\*\*wild\*\*\*

\*\*\*ginseng\*\*\* in the midcoastal Maine



woods. The younger man collected several plants growing in a swampy area and took three bites from the root of one plant. His brother took one bite of the same root. Within 30 minutes, the younger man vomited and began to have convulsions; they walked out of the woods, and approximately 30 minutes after the younger man became ill, they were able to telephone for emergency rescue services. Within 15 minutes of the call, emergency medical personnel arrived and found the younger man unresponsive and cyanotic with mild tachycardia, dilated pupils, and profuse salivation. Severe tonic-clonic seizures occurred and were followed by periods of apnea. He was intubated and transported to a local emergency department. Physicians performed gastric lavage and administered activated charcoal. His cardiac rhythm changed to ventricular fibrillation, and four resuscitative attempts were unsuccessful. He died approximately 3 hours after ingesting the root. Although the older brother was asymptomatic when he arrived at the emergency department, he was treated prophylactically with gastric lavage and administered activated charcoal. He began to have seizures and exhibit delirium 2 hours after eating the root; he was stabilized and transferred to a tertiary-care center for observation. No additional adverse effects were reported. The root ingested by the two brothers was identified as \*\*\*water\*\*\* hemlock (*Cicuta maculata*). In October 1993, post-mortem samples of frozen liver tissue, blood, and gastric contents from the man were analyzed by high-pressure liquid chromatography for cicutoxin, a poisonous substance in \*\*\*water\*\*\* hemlock. Cicutoxin, a neurotoxin, was not detected; however, the toxin is labile and may have degraded during storage.

L4 ANSWER 8 OF 10 PROMT COPYRIGHT 2003  
Gale Group

TI Sun Siberian Ginseng Natural Herb Tea  
Bags MANUFACTURER: YSK International  
Corp. CATEGORY: Tea  
AN 89:201825 PROMT  
TI Sun Siberian Ginseng Natural Herb Tea  
Bags MANUFACTURER: YSK International  
Corp. CATEGORY: Tea  
SO Product Alert, (4 Sep 1989) pp. N/A.  
LA English  
WC 149  
\*FULL TEXT IS AVAILABLE IN THE ALL  
FORMAT\*  
AB " \*\*\*Wild\*\*\* " Sun Siberian  
\*\*\*Ginseng\*\*\* Natural Herb Tea Bags are  
on the market in the U.S. in boxes  
containing 25 tea bags individually

wrapped in packets. Manufactured in Japan by YSK International Corp. and distributed in the U.S. by Sun Chlorella of Torrance, CA, they are said to be 100% natural and caffeine free. For the "perfect pick-me-up at any time of the day, alone or with meals," pour fresh boiling \*\*\*water\*\*\* over one tea bag per cup, letting it stand for 3-5 minutes until a soft green color and unique elegant fragrance tell you it is ready to enjoy." It can also be served over ice after brewing. This product is identified as a "higher source of natural energy." To obtain a sample of this product, contact: Marketing Intelligence Service, Ltd., (716) 374-6326 for availability, pricing and delivery.  
THIS IS THE FULL TEXT: Copyright 1989 by Marketing Intelligence Service Ltd.

L4 ANSWER 9 OF 10 MEDLINE  
TI Study on the biological nature of ginseng pearl knot.  
AN 90148093 MEDLINE  
DN 90148093 PubMed ID: 2619887  
TI Study on the biological nature of ginseng pearl knot.  
AU Li M; Li R J; Liu M Y  
SO CHUNG-KUO CHUNG YAO TSA CHIH CHINA  
JOURNAL OF CHINESE MATERIA MEDICA,  
(1989 Nov) 14 (11) 654-5, 701.  
Journal code: 8913656. ISSN: 1001-5302.  
CY China  
DT Journal; Article; (JOURNAL ARTICLE)  
LA Chinese  
FS Priority Journals  
EM 199003  
ED Entered STN: 19900601  
Last Updated on STN: 19900601  
Entered Medline: 19900321  
AB Pearl knots of the root system of cultivated ginseng in different ages and different development stages were studied and compared with \*\*\*wild\*\*\*  
\*\*\*ginseng\*\*\*. It has been found that the biological nature of pearl knots is the foundation of seasonal absorbing root of ginseng. It is pointed out that to remove the cold-proof matter later and keep suitable soil \*\*\*water\*\*\* in spring are important to prevent cold injury and promote growth of root system of ginseng.  
Key words ginseng; pearl knot; seasonal absorbing root

L4 ANSWER 10 OF 10 BIOSIS COPYRIGHT 2003  
BIOLOGICAL ABSTRACTS INC.  
TI STUDY ON THE BIOLOGICAL NATURE OF GINSENG PEARL KNOTS.  
AN 1990:266143 BIOSIS  
DN BA90:8229  
TI STUDY ON THE BIOLOGICAL NATURE OF GINSENG PEARL KNOTS.  
AU LIU M; LI R; LIU M  
CS DEP. BIOL., HARBIN NORMAL UNIV., CHINA.  
SO CHINA J CHIN MATER MED, (1989) 14 (11), 14-15, 61.

CODEN: ZZZAE3.  
 FS BA; OLD  
 LA Chinese  
 AB Pearl knots of the root system of cultivated ginseng in different ages and different development stages were studied and compared and compared with  
 \*\*\*wild\*\*\* \*\*\*ginseng\*\*\* . It has been found that the biological nature of pearl knots is the foundation of seasonal absorbing root of ginseng. It is pointed out that to remove the cold-proof matter later and keep suitable soil \*\*\*water\*\*\* in spring are important to prevent cold injury and promote growth of root system of ginseng.

=> d 14 1-10 all

L4 ANSWER 1 OF 10 PROMT COPYRIGHT 2003  
 Gale Group

AN 2000:629353 PROMT  
 TI Ambrosia Coenzyme Q10 Cleanse  
 MANUFACTURER: CA Botana International Inc.  
 CATEGORY: 330 - Soap & Body  
 Cleansers. (Brief Article) (Product Announcement)  
 SO Product Alert, (24 Jul 2000) Vol. 31, No. 14.  
 ISSN: 0740-3801.  
 PB Marketing Intelligence Service Ltd.  
 DT Newsletter  
 LA English  
 WC 136  
 TX San Diego, CA-based CA Botana International Inc. now offers Cleanse in its extensive Ambrosia CoEnzyme Q10 line. Literature for the cleanser states, "Proper cleansing is the first step. Ambrosia CoEnzyme Q10 Cleanse is rich, milky and \*\*\*water\*\*\*-soluble. It helps keep the skin clean, healthy and soft. CoEnzymes are uniquely blended in patent-pending liposomal technology with \*\*\*wild\*\*\* yam, \*\*\*ginseng\*\*\*, camomile and essential oils to boost the skin's natural ability to renew itself." The suggested retail price is \$30.00 for a 6.8 oz. pump bottle. Company literature also identifies all CA Botana products as "safe, biodegradable, 100 percent natural and formulated with purified \*\*\*water\*\*\*. Formulated without animal testing or by-products, and with only natural scents, they are derived from re-growable rather than reproductive resources." For sample retrieval information, please call: Marketing Intelligence Service, Ltd., (716) 374-6326.

THIS IS THE FULL TEXT: COPYRIGHT 2000  
 Marketing Intelligence Service Ltd.

Subscription: \$600.00 per year. Published semimonthly. 6473 D Route 64, Naples, NY 14512-9726.  
 CT \*PC2841001 Soaps  
 CC \*EC336 Product introduction  
 CO \*CA Botana International Inc.  
 ICL \*ADV Advertising, Marketing and Public Relations; BUSN Any type of business  
 NAIC \*325611 Soap and Other Detergent Manufacturing  
 GT \*CC1USA United States  
 FEAT COMPANY  
 RN 303-98-0 (COENZYME Q10)  
 L4 ANSWER 2 OF 10 PROMT COPYRIGHT 2003  
 Gale Group

AN 2000:573147 PROMT  
 TI Pulse Enhanced Beverage - Peak; Passion; Power; Performance MANUFACTURER: Geyser Products, LLC CATEGORY: 217 - Isotonic, Energy Producing Beverages.  
 SO Product Alert, (12 Jun 2000) Vol. 30, No. 11.  
 ISSN: 0740-3801.  
 PB Marketing Intelligence Service Ltd.  
 DT Newsletter  
 LA English  
 WC 136  
 TX Enhanced Beverages from Mesa, AZ-based Geyser Products, LLC are promoted with the phrase "Drink Pulse for a natural charge." The light blue colored Mountain Berry flavored Performance variety contains ginkgo, ginseng, astragalus and green tea. Label states that these herbs are believed to increase stamina, combat mental fatigue and improve brain function. A partial listing of ingredients also includes pure spring \*\*\*water\*\*\*, citric acid, potassium benzoate and high fructose corn syrup. Other varieties in the line include Peak (strawberry kiwi with aloe vera), Passion ( \*\*\*wild\*\*\* raspberry with \*\*\*ginseng\*\*\*, damiana, dong quai and gotu kola) and Power (strawberry colada with guarana, ginseng and ginkgo). Presented in 16.9 fl. oz. resealable plastic bottles, they are given a suggested retail price between 79 and 89 cents. For sample retrieval information, please call: Marketing Intelligence Service, Ltd., (716) 374-6326.

THIS IS THE FULL TEXT: COPYRIGHT 2000  
 Marketing Intelligence Service Ltd.

Subscription: \$600.00 per year. Published semimonthly. 6473 D Route 64, Naples, NY 14512-9726.  
 CT \*PC2834790 Vitamins & Nutrients NRC  
 CC \*EC336 Product introduction  
 CO \*Geyser Products L.L.C.  
 ICL \*ADV Advertising, Marketing and Public Relations; BUSN Any type of business

NAIC \*325412 Pharmaceutical Preparation  
Manufacturing  
GT \*CC1USA United States  
FEAT COMPANY

L4 ANSWER 3 OF 10 BIOSIS COPYRIGHT 2003  
BIOLOGICAL ABSTRACTS INC.  
AN 2000:281723 BIOSIS  
DN PREV200000281723  
TI Ginseng processing method and processed  
ginseng prepared by the same.  
AU Lee, Sang-jun (1)  
CS (1) 221-28 Suyu 3-dong, Kangbuk-gu, Seoul  
North Korea  
PI US 6004609 December 21, 1999  
SO Official Gazette of the United States  
Patent and Trademark Office Patents,  
(Dec. 21, 1999) Vol. 1229, No. 3, pp. No  
pagination. e-file.  
ISSN: 0098-1133.  
DT Patent  
LA English  
AB A ginseng processing method and a  
processed ginseng prepared by the  
processing method are provided. The  
ginseng processing method includes the  
steps of: mixing 10.about.99.5 wt % of  
grapes and/or wild grapes with  
0.5.about.90 wt % of ginseng; adding  
\*\*\*water\*\*\* to the mixture of  
grapes and/or \*\*\*wild\*\*\* grapes with  
\*\*\*ginseng\*\*\* with a weight  
ratio of 1.about.10:1; heating the  
mixture at 45.about.130degree C. for  
1.about.70 hours; and cooling the heated  
mixture to room temperature.  
According to the ginseng processing  
method using grapes and/or wild  
grapes, the side effects caused by taking  
only ginseng are decreased or  
eliminated. Also, the browning of the  
ginseng is facilitated, reducing the  
amount of effort and time required for  
processing the ginseng. Also, the  
processed ginseng is acceptable to many  
persons in taste, aroma and color,  
and can be used in various forms for  
various purposes.  
NCL 426590000  
IT Major Concepts  
Foods; Methods and Techniques  
IT Methods & Equipment  
ginseng processing method: food  
processing method  
IT Miscellaneous Descriptors  
ginseng: herbs and spices; grapes:  
fruit

L4 ANSWER 4 OF 10 PROMT COPYRIGHT 2003  
Gale Group  
AN 97:440362 PROMT  
TI New Products: New scents keep coming ...  
Wu woos the west  
SO European Cosmetic Markets, (1 Jul 1997)  
pp. N/A.  
ISSN: 0957-1515.  
LA English  
WC 125  
AB Wu is the name of a new skin care range  
from China Doll Ltd, that is

claimed to combine the ancient knowledge  
of Chinese medicine with modern  
technology. Products in the Wu range are  
formulated in China with Chinese  
herbs, such as \*\*\*wild\*\*\*  
\*\*\*ginseng\*\*\* and \*\*\*water\*\*\* pearls  
which are tested on the herbalists  
themselves and used in pure, high  
concentrations. The 13-product range,  
previously only available in Space  
NK Apothecary, London, includes two  
cleansers, two toners, three  
moisturisers, two eye products, three  
masks and Pearl & Silk Rejuvenator,  
said to restore clarity and smoothness  
for the three conventional skin  
types.  
Launch: Nationwide in the UK in July,  
with roll-out in France imminent.  
Prices: From GBP9.95 for eye products to  
GBP17.50 for cleansers and  
toners.

THIS IS THE FULL TEXT: COPYRIGHT 1997  
Wilmington Publishing Ltd. (UK)  
CT \*PC2844511 Cleansing Creams  
CC \*EC336 Product introduction  
CO \*China Doll Ltd.  
ICL \*INTL Business, International; DRUG  
Pharmaceuticals and Cosmetics; BUSN  
Any type of business  
GT New: \*CC4EUUK United Kingdom  
Old: \*CC4UK United Kingdom  
FEAT COMPANY; NEWSLETTER

L4 ANSWER 5 OF 10 PROMT COPYRIGHT 2003  
Gale Group  
AN 94:330999 PROMT  
TI Basic Elements Purifying Shampoo -  
Angelica for Dry, Permed or Color  
Treated Hair; Water Lily for Normal to  
Oily Hair; Protective Conditioner -  
Bayberry Bark MA  
SO Product Alert, (6 Jun 1994) pp. N/A.  
ISSN: 0740-3801.  
LA English  
WC 194  
AB Inglewood, CA-based Basic Elements has  
launched a hair care line under the  
Basic Elements brand name. Angelica  
Purifying Shampoo for Dry, Permed or  
Color Treated Hair "gently removes  
impurities from hair while protecting  
your perm and color." \*\*\*Water\*\*\*  
Lily Purifying Shampoo for Normal  
to Oily Hair "is a mild shampoo  
particularly well suited for frequent  
shampooing." Bayberry Bark Protective  
Conditioner "detangles, moisturizes,  
builds body and adds shine without build-  
up." The "pH balanced" products  
are said to be formulated with the same  
base of nutrients, vitamins and  
proteins - purifying or protective root  
extracts such as angelica, white  
pond lily and bayberry, as well as  
\*\*\*ginseng\*\*\*, apple, \*\*\*wild\*\*\*  
geranium, white willow, cherry, sweet  
birch and plumeria, and vitamins and  
whole wheat protein. According to  
company literature, the "uniformity of

ingredients means that your hair gets a steady dose of the nutrients it needs to look and feel healthy... Your hair will absorb just what it needs from the products and the residual will be washed away." All three

products are sold in recyclable, color coded bottles. To check the availability and cost of purchasing a sample of this product contact:

Marketing Intelligence Service, Ltd.,  
(716) 374-6326.

THIS IS THE FULL TEXT: Copyright 1994 Marketing Intelligence Service Ltd.

CT \*PC2844100 Shaving Preparations  
CC \*EC33 Product Design & Development  
CO \*Basic Elements  
GT New: \*CC1USA United States  
Old: \*CC1USA United States  
FEAT COMPANY; NEWSLETTER

L4 ANSWER 6 OF 10 BIOSIS COPYRIGHT 2003  
BIOLOGICAL ABSTRACTS INC.DUPLICATE

1  
AN 1994:275431 BIOSIS  
DN PREV199497288431  
TI Differences in immunomodulating effects between wild and cultured Panax ginseng.

AU Mizuno, Masashi (1); Yamada, Junko (1);  
Terai, Hirofumi (1); Kozuke,  
Nobuyuki; Lee, Yong Shun; Tsuchida,  
Hironobu (1)

CS (1) Lab. Utilization Biol. Resources,  
Kobe Univ., Nada-Ku, Kobe 657 Japan  
SO Biochemical and Biophysical Research  
Communications, (1994) Vol. 200, No.  
3, pp. 1672-1678.  
ISSN: 0006-291X.

DT Article

LA English

AB The different effects between

\*\*\*wild\*\*\* and cultured Panax

\*\*\*ginseng\*\*\* on immunological activity were investigated. The extracts of hot \*\*\*water\*\*\* soluble fraction from \*\*\*wild\*\*\* Panax

\*\*\*ginseng\*\*\* showed the mitogenic activity to lymphocytes but that from cultured Panax ginseng did not. The mitogenic activity of \*\*\*wild\*\*\* Panax \*\*\*ginseng\*\*\* (100 mu-g/well) was almost equal to Concanavalin A (0.1 mu-g/well) which was well-known as one of T cell mitogens. The percentages of Thy 1.2-(pan T cells), L3T4-(helper T cells) and Lyt2-(cytotoxic T cells) positive cell population were significantly increased in the mice orally administered hot \*\*\*water\*\*\* soluble fraction from \*\*\*wild\*\*\* Panax \*\*\*ginseng\*\*\* as compared to control by 31.2, 17.9 and 30.1 percent, respectively.

CC Cytology and Cytochemistry - Animal  
\*02506

Blood, Blood-Forming Organs and Body  
Fluids - Blood Cell Studies \*15004

Blood, Blood-Forming Organs and Body  
Fluids - Lymphatic Tissue and

Reticuloendothelial System \*15008  
Pharmacology - Immunological Processes  
and Allergy \*22018

Immunology and Immunochemistry -  
Immunopathology, Tissue Immunology  
\*34508

Plant Physiology, Biochemistry and  
Biophysics - Chemical Constituents  
51522

Pharmacognosy and Pharmaceutical Botany  
\*54000

BC Araliaceae 25590

Muridae \*86375

IT Major Concepts

Blood and Lymphatics (Transport and  
Circulation); Cell Biology; Immune  
System (Chemical Coordination and  
Homeostasis); Pharmacognosy  
(Pharmacology); Pharmacology

IT Miscellaneous Descriptors

T CELL

ORGN Super Taxa

Araliaceae: Dicotyledones,  
Angiospermae, Spermatophyta, Plantae;  
Muridae: Rodentia, Mammalia,  
Vertebrata, Chordata, Animalia

ORGN Organism Name

mouse (Muridae); Panax ginseng  
(Araliaceae)

ORGN Organism Superterms

angiosperms; animals; chordates;  
dicots; mammals; nonhuman mammals;  
nonhuman vertebrates; plants; rodents;  
spermatophytes; vascular plants;  
vertebrates

L4 ANSWER 7 OF 10 (c) 2003 FAO (on behalf  
of the ASFA Advisory Board) All  
rights reserved.

AN 96:3110 AQUASCI

DN ASFA1 1996 25-18157; ASFA3 1996 26-01219

TI Water hemlock poisoning -- Maine, 1992

AU Sweeney, K.; Gensheimer, K.F.; Knowlton-  
Field, J.; Smith, R.A.

SO J. AM. MED. ASSOC., (1994) vol. 271, no.  
19, pp. 1472-1476.

ISSN: 0098-7484.

DT Journal

FS ASFA1; ASFA3

LA English

AB On October 5, 1992, a 23-year-old man and  
his 39-year-old brother were  
foraging for \*\*\*wild\*\*\*

\*\*\*ginseng\*\*\* in the midcoastal Maine  
woods. The younger man collected several  
plants growing in a swampy area  
and took three bites from the root of one  
plant. His brother took one bite  
of the same root. Within 30 minutes, the  
younger man vomited and began to  
have convulsions; they walked out of the  
woods, and approximately 30  
minutes after the younger man became ill,  
they were able to telephone for  
emergency rescue services. Within 15  
minutes of the call, emergency  
medical personnel arrived and found the  
younger man unresponsive and  
cyanotic with mild tachycardia, dilated  
pupils, and profuse salivation.

Severe tonic-clonic seizures occurred and were followed by periods of apnea. He was intubated and transported to a local emergency department.

Physicians performed gastric lavage and administered activated charcoal.

His cardiac rhythm changed to ventricular fibrillation, and four

resuscitative attempts were unsuccessful. He died approximately 3 hours

after ingesting the root. Although the older brother was asymptomatic when

he arrived at the emergency department, he was treated prophylactically

with gastric lavage and administered activated charcoal. He began to have

seizures and exhibit delirium 2 hours after eating the root; he was

stabilized and transferred to a tertiary-care center for observation. No

additional adverse effects were reported.

The root ingested by the two

brothers was identified as \*\*\*water\*\*\* hemlock (*Cicuta maculata*). In

October 1993, post-mortem samples of frozen liver tissue, blood, and

gastric contents from the man were

analyzed by high-pressure liquid chromatography for cicutoxin, a poisonous substance in \*\*\*water\*\*\*

hemlock. Cicutoxin, a neurotoxin, was not detected; however, the toxin is labile and may have degraded during storage.

CC 1221 GENERAL; 3524 PUBLIC HEALTH, MEDICINES, DANGEROUS ORGANISMS

CT biological poisons; dangerous organisms; public health; human diseases; wetlands; mortality causes

GT USA, Maine

ORGN *Cicuta maculata*

L4 ANSWER 8 OF 10 PROMT COPYRIGHT 2003  
Gale Group

AN 89:201825 PROMT

TI Sun Siberian Ginseng Natural Herb Tea  
Bags MANUFACTURER: YSK International

Corp. CATEGORY: Tea

SO Product Alert, (4 Sep 1989) pp. N/A.

LA English

WC 149

AB " \*\*\*Wild\*\*\* " Sun Siberian

\*\*\*Ginseng\*\*\* Natural Herb Tea Bags are

on the market in the U.S. in boxes

containing 25 tea bags individually

wrapped in packets. Manufactured in Japan by YSK International Corp. and

distributed in the U.S. by Sun Chlorella of Torrance, CA, they are said to

be 100% natural and caffeine free. For

the "perfect pick-me-up at any time of the day, alone or with meals,

pour fresh boiling \*\*\*water\*\*\*

over one tea bag per cup, letting it

stand for 3-5 minutes until a soft

green color and unique elegant fragrance tell you it is ready to enjoy."

It can also be served over ice after brewing. This product is identified

as a "higher source of natural energy."

To obtain a sample of this

product, contact: Marketing Intelligence Service, Ltd., (716) 374-6326 for

availability, pricing and delivery.

THIS IS THE FULL TEXT: Copyright 1989 by Marketing Intelligence Service Ltd.

CT \*PC2099582 Tea in Bags

CC \*EC33 Product Design & Development

CO \*YSK Intl

GT New: \*CC1USA United States

Old: \*CC1USA United States

FEAT COMPANY; NEWSLETTER

L4 ANSWER 9 OF 10 MEDLINE

AN 90148093 MEDLINE

DN 90148093 PubMed ID: 2619887

TI Study on the biological nature of ginseng pearl knot.

AU Li M; Li R J; Liu M Y

SO CHUNG-KUO CHUNG YAO TSA CHIH CHINA

JOURNAL OF CHINESE MATERIA MEDICA,

(1989 Nov) 14 (11) 654-5, 701.

Journal code: 8913656. ISSN: 1001-5302.

CY China

DT Journal; Article; (JOURNAL ARTICLE)

LA Chinese

FS Priority Journals

EM 199003

ED Entered STN: 19900601

Last Updated on STN: 19900601

Entered Medline: 19900321

AB Pearl knots of the root system of cultivated ginseng in different ages and different development stages were studied and compared with \*\*\*wild\*\*\*

\*\*\*ginseng\*\*\*. It has been found that the biological nature of pearl

knots is the foundation of seasonal

absorbing root of ginseng. It is

pointed out that to remove the cold-proof matter later and keep suitable

soil \*\*\*water\*\*\* in spring are

important to prevent cold injury and

promote growth of root system of ginseng.

Key words ginseng; pearl knot;

seasonal absorbing root

CT Check Tags: Comparative Study

English Abstract

\*Panax: GD, growth & development

Panax: UL, ultrastructure

\*Plants, Medicinal

Seasons

L4 ANSWER 10 OF 10 BIOSIS COPYRIGHT 2003  
BIOLOGICAL ABSTRACTS INC.

AN 1990:266143 BIOSIS

DN BA90:8229

TI STUDY ON THE BIOLOGICAL NATURE OF GINSENG PEARL KNOTS.

AU LIU M; LI R; LIU M

CS DEP. BIOL., HARBIN NORMAL UNIV., CHINA.

SO CHINA J CHIN MATER MED, (1989) 14 (11), 14-15, 61.

CODEN: ZZAE3.

FS BA; OLD

LA Chinese

AB Pearl knots of the root system of cultivated ginseng in different ages and

different development stages were studied and compared and compared with  
\*\*\*wild\*\*\* \*\*\*ginseng\*\*\* . It has been found that the biological nature of pearl knots is the foundation of seasonal absorbing root of ginseng. It is pointed out that to remove the cold-proof matter later and keep suitable soil \*\*\*water\*\*\* in spring are important to prevent cold injury and promote growth of root system of ginseng.

CC Physical Anthropology; Ethnobiology  
\*05000

Ecology; Environmental Biology -  
Bioclimatology and Biometeorology 07504  
Biochemical Studies - General 10060  
External Effects - Temperature as a

Primary Variable - Cold 10616  
Pharmacology - General 22002

Plant Physiology, Biochemistry and  
Biophysics - Water Relations \*51502

Plant Physiology, Biochemistry and  
Biophysics - Growth, Differentiation  
\*51510

Plant Physiology, Biochemistry and  
Biophysics - General and Miscellaneous  
\*51526

Agronomy - General, Miscellaneous and  
Mixed Crops \*52502

Pharmacognosy and Pharmaceutical Botany  
54000

IT Miscellaneous Descriptors  
SEASONAL ABSORBING ROOT CULTIVATED  
GINSENG WILD GINSENG COLD INJURY  
FOLK MEDICINE CHINA

=> y

L5 979236 Y

=> s wild (3a) ginseng (4a) tea?

L6 4 WILD (3A) GINSENG (4A) TEA?

=> dup rem l6

PROCESSING COMPLETED FOR L6

L7 4 DUP REM L6 (0 DUPLICATES  
REMOVED)

=> d l7 1- all

YOU HAVE REQUESTED DATA FROM 4 ANSWERS -  
CONTINUE? Y/(N):Y

L7 ANSWER 1 OF 4 PROMT COPYRIGHT 2003 Gale  
Group

AN 97:112603 PROMT

TI Health & Beauty Care

SO Drug Topics, (17 Feb 1997) pp. 106.  
ISSN: 0012-6616.

LA English

WC 277

AB Schering-Plough HealthCare Products,  
Liberty Corner, N.J., has added new  
products to its Coppertone line.  
Coppertone Bug & Sun with Insect

Repellent provides protection from the sun as well as from annoying insects. Kids Colorblock goes on purple (it disappears after it's rubbed in) to help make sure skin receives complete sunblock coverage. Oil Free Sunless Tanner Dark has an oil-free, noncomedogenic formula that absorbs quickly. Little Licks cherry-flavored lip balm, in an SPF 30 formula, is designed to protect kids' lips from sun, wind, and cold. Two SPF 15 Lip Balms are available for adults: One contains moisturizing aloe and vitamin E; the other has a natural fruit flavor. The Kids Stick provides waterproof protection from UVA and UVB rays for noses, chins, and ears ... Beiersdorf, Norwalk, Conn., is introducing Nivea Visage Anti-Wrinkle and Firming Creme. It features an antioxidant complex plus vitamins A and E.

The 1.5-oz. jar will retail for approximately \$8 ... From Bausch & Lomb, Rochester, ReNu Multi-Purpose Solution for soft contact lenses sports new packaging. It features graphic design changes to help consumers locate the product on the retail shelf, readily identify its unique ingredients, and maintain compliance with a prescribed lens care regimen ... The Andrew Jergens Co., Cincinnati, repositioning its Jergens Skincare brand, is introducing a new line of Jergens Skincare Moisturizing Body Bars and a new alpha hydroxy Ultra Healing Cream ... Naturistics, Farmingdale, N.Y., has introduced an antioxidant skin care line which includes Pink Grapefruit Facial Soap, Pink Grapefruit Foaming Cleanser, Oatmeal Foaming Cleanser, Green \*\*\*Tea\*\*\* Facial Cream, \*\*\*Wild\*\*\* Chamomile Facial Lotion, \*\*\*Ginseng\*\*\* Root Facial Moisturizer, and Sunflower Seed Refining Facial Mask. Each will retail between \$4.50 and \$8.

THIS IS THE FULL TEXT: COPYRIGHT 1997  
Medical Economics Publishing  
CT \*PC3999910 Barber & Beauty Supplies;  
PC3850000 Ophthalmic Goods;  
PC2869312 Antioxidants; PC2844000  
Toiletries; PC2834000 Pharmaceutical  
Preparations

CC \*EC336 Product introduction

CO \*Naturistics; Bausch and Lomb Inc.;

Beiersdorf North America; Andrew  
Jergens Co.; Schering-Plough HealthCare  
Products

GT New: \*CC1USA United States

Old: \*CC1USA United States

FEAT LOB; INDUSTRY; COMPANY

RN 520-36-5 (CHAMOMILE)

1406-18-4 (VITAMIN E)

121736-22-9 (LIBERTY)

152159-65-4 (SUNBLOCK)

L7 ANSWER 2 OF 4 PROMT COPYRIGHT 2003 Gale  
Group

AN 96:12122 PROMT  
 TI Health Valley \*\*\*Ginseng\*\*\* Iced  
 \*\*\*Tea\*\*\* - Cranberry;  
 \*\*\*Wild\*\*\* Berry; Mango MANUFACTURER:  
 Health Valley Foods CATEGORY: Tea  
 SO Product Alert, (8 Jan 1995) pp. N/A.  
 ISSN: 0740-3801.  
 LA English  
 WC 152  
 AB Ginseng Iced Tea has been introduced  
 under the Health Valley brand name as  
 a "high energy thirst quencher."  
 Presented in glass bottles, the product  
 comes in three "pick-me-up flavors" -  
 Cranberry, Wild Berry and Mango.  
 Company literature states, "This unique  
 iced tea is a revolutionary  
 breakthrough in high energy drinks. It's  
 the first iced tea ever made for  
 people who want quick energy, and it  
 provides all the other healthy  
 benefits of 100 milligrams of ginseng in  
 every glass." Claimed to offer  
 zesty refreshment, 8 ounces of Ginseng  
 Iced Tea are said to provide 100mg  
 of ginseng, only 15mg of caffeine  
 (compared to 50mg in brewed tea and  
 140mg in coffee), and 10% of the daily  
 value of vitamin C. The Ginseng  
 Iced Tea has "no refined sugar,  
 artificial flavors or colors." Health  
 Valley Foods of Irwindale, CA, is the  
 manufacturer. For sample retrieval  
 information, please call: Marketing  
 Intelligence Service, Ltd., (716)  
 374-6326.  
 THIS IS THE FULL TEXT: COPYRIGHT 1995  
 Marketing Intelligence Service Ltd.  
 CT \*PC2086080 Nonfruit Drinks ex Carbonated  
 CC \*EC33 Product Design & Development  
 CO \*Health Valley Foods  
 GT New: \*CC1USA United States  
 Old: \*CC1USA United States  
 FEAT COMPANY; NEWSLETTER  
 RN 50-81-7 (VITAMIN C)  
 58-08-2 (CAFFEINE)

L7 ANSWER 3 OF 4 PROMT COPYRIGHT 2003 Gale  
 Group

AN 93:430823 PROMT  
 TI Nature's Own Vermont \*\*\*Wild\*\*\*  
 \*\*\*Ginseng\*\*\* Herbal \*\*\*Tea\*\*\*  
 Blend - All \*\*\*Ginseng\*\*\* ; Vermont  
 \*\*\*Wild\*\*\* \*\*\*Ginseng\*\*\*  
 Herbal \*\*\*Tea\*\*\* Blend - The Woods  
 MANUFACTURER: Nature's Own  
 CATEGORY: Tea  
 SO Product Alert, (21 Dec 1992) pp. N/A.  
 LA English  
 WC 369  
 AB A line of Vermont \*\*\*Wild\*\*\*  
 \*\*\*Ginseng\*\*\* Herbal \*\*\*Tea\*\*\*  
 Blends has been introduced under the  
 Nature's Own brand name. The "hand  
 blended, 100% natural" teas are said to  
 be free of caffeine, sugar,  
 artificial sweeteners and preservatives.  
 They are made with a "blend of  
 carefully selected herbs and Vermont wild  
 ginseng roots and leaves." All

Ginseng is a red tea that offers a  
 sweetish aromatic flavor and can be  
 used as a general tonic or for symptoms  
 of stress. Brown Cow is a light  
 brown tea that has a "smooth roasted  
 coffee-like flavor with a fragrant  
 alpine smell." This "thirst-quenching"  
 beverage can be used as a general  
 tonic and stimulant; it makes a "good  
 coffee substitute." Church Steeple  
 is a white tea with a "sweet mild flavor  
 with the slightest hint of mint  
 and apricots." It is said to settle  
 stomach and bronchial problems and is  
 good for insomnia as well as edema. Grey  
 Dusty Road has a "sweet, warm and  
 mellow 'tea' flavor" that is said to be  
 aromatic; it is good for colds,  
 flu and fever. Green Mellowcalf, said to  
 be a stomach settler, offers a  
 "warm, smooth roasted coffee-like flavor  
 with just a bit of bite." The  
 Morning After is a blue tea which is  
 "clean, piny and aromatic with a  
 tang" and "good for headaches, upset  
 stomach; clears mucous passages;  
 alleviates indigestion; calms nerves."  
 Named after the wild ginseng leaves  
 in their fall foliage, Woodland Gold is a  
 gold tea with a "mild, pleasant,  
 woody flavor with a cool after-taste,  
 reminiscent of Darjeeling tea." It  
 is said to be a stomach settler; it also  
 benefits "anemia, edema and  
 insomnia." The Woods, an autumn orange  
 tea with a "pleasant woody flavor  
 with a cool after-taste, reminiscent of  
 mulled apples," is said to be good  
 for heart and circulation; it soothes the  
 nerves and indigestion; and  
 provides colds, flu and sore throat  
 relief. Manufactured by Chelsea,  
 VT-based Nature's Own, each product is  
 sold in a 6-pack; "each tea comes  
 in its own reusable muslin tea bag that  
 can be made by the pot or 6-8  
 individual (225ml) servings." To check  
 the availability and cost of  
 purchasing a sample of this product  
 contact: Marketing Intelligence  
 Service, Ltd., (716) 374-6326.

THIS IS THE FULL TEXT: Copyright 1992 by  
 Marketing Intelligence Service  
 Ltd.

CT \*PC2099500 Processed Tea  
 CC \*EC33 Product Design & Development  
 CO \*Nature's Own  
 GT New: \*CC1USA United States  
 Old: \*CC1USA United States  
 FEAT NEWSLETTER; COMPANY  
 RN 58-08-2 (CAFFEINE)

L7 ANSWER 4 OF 4 PROMT COPYRIGHT 2003 Gale  
 Group

AN 89:201825 PROMT  
 TI Sun Siberian Ginseng Natural Herb Tea  
 Bags MANUFACTURER: YSK International  
 Corp. CATEGORY: Tea  
 SO Product Alert, (4 Sep 1989) pp. N/A.  
 LA English

WC 149  
 AB " \*\*\*Wild\*\*\* " Sun Siberian  
 \*\*\*Ginseng\*\*\* Natural Herb \*\*\*Tea\*\*\*  
 Bags are on the market in the U.S. in  
 boxes containing 25 tea bags  
 individually wrapped in packets.  
 Manufactured in Japan by YSK  
 International Corp. and distributed in  
 the U.S. by Sun Chlorella of  
 Torrance, CA, they are said to be 100%  
 natural and caffeine free. For the  
 "perfect pick-me-up at any time of the  
 day, alone or with meals, pour  
 fresh boiling water over one tea bag per  
 cup, letting it stand for 3-5  
 minutes until a soft green color and  
 unique elegant fragrance tell you it  
 is ready to enjoy." It can also be  
 served over ice after brewing. This  
 product is identified as a "higher source  
 of natural energy." To obtain a  
 sample of this product, contact:  
 Marketing Intelligence Service, Ltd.,  
 (716) 374-6326 for availability, pricing  
 and delivery.  
 THIS IS THE FULL TEXT: Copyright 1989 by  
 Marketing Intelligence Service  
 Ltd.  
 CT \*PC2099582 Tea in Bags  
 CC \*EC33 Product Design & Development  
 CO \*YSK Intl  
 GT New: \*CC1USA United States  
 Old: \*CC1USA United States  
 FEAT COMPANY; NEWSLETTER

=> index bioscience napralert

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
 COST IN U.S. DOLLARS  
 SINCE FILE TOTAL

ENTRY	SESSION
FULL ESTIMATED COST	
103.75	106.71

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS,  
 AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,  
 BIOCOMMERCE, BIOSIS, BIOTECHABS,  
 BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,  
 CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI,  
 CROPB, CROPU, DDFB, DDFU, DGENE,  
 DRUGB, DRUGLAUNCH, DRUGMONOG2, ...'  
 ENTERED AT 15:06:45 ON 27 JAN 2003

65 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term  
 postings or to view  
 search error messages that display as 0\* with  
 SET DETAIL OFF.

=> s wild (3a) ginseng (4a) tea?

1	FILE BIOBUSINESS
0*	FILE DRUGU
29	FILES SEARCHED...
1	FILE NTIS
4	FILE PROMT
57	FILES SEARCHED...

3 FILES HAVE ONE OR MORE ANSWERS, 65  
 FILES SEARCHED IN STNINDEX

L8 QUE WILD (3A) GINSENG (4A) TEA?

=> d rank

F1	4	PROMT
F2	1	BIOBUSINESS
F3	1	NTIS

=> s 18

<-----User Break----->

=> fil f1-f3

COST IN U.S. DOLLARS	
SINCE FILE	TOTAL
ENTRY	SESSION
FULL ESTIMATED COST	
25.85	132.56

ENTRY	SESSION
FULL ESTIMATED COST	
25.85	132.56

FILE 'PROMT' ENTERED AT 15:34:39 ON 27 JAN  
 2003  
 COPYRIGHT (C) 2003 Gale Group. All rights  
 reserved.

FILE 'BIOBUSINESS' ENTERED AT 15:34:39 ON 27  
 JAN 2003  
 COPYRIGHT (C) 2003 Biological Abstracts, Inc.  
 (BIOSIS)

FILE 'NTIS' ENTERED AT 15:34:39 ON 27 JAN 2003  
 Compiled and distributed by the NTIS, U.S.  
 Department of Commerce.  
 It contains copyrighted material.  
 All rights reserved. (2003)

=> s 18

L9	6 L8
----	------

=> dup rem 19

PROCESSING COMPLETED FOR L9  
 L10 6 DUP REM L9 (0 DUPLICATES  
 REMOVED)

=> d 110 1- all

YOU HAVE REQUESTED DATA FROM 6 ANSWERS -  
 CONTINUE? Y/(N):y

L10 ANSWER 1 OF 6 PROMT COPYRIGHT 2003 Gale  
 Group

AN 97:112603 PROMT  
 TI Health & Beauty Care  
 SO Drug Topics, (17 Feb 1997) pp. 106.  
 ISSN: 0012-6616.  
 LA English  
 WC 277  
 AB Schering-Plough HealthCare Products,  
 Liberty Corner, N.J., has added new  
 products to its Coppertone line.  
 Coppertone Bug & Sun with Insect



Repellent provides protection from the sun as well as from annoying insects. Kids Colorblock goes on purple (it disappears after it's rubbed in) to help make sure skin receives complete sunblock coverage. Oil Free Sunless Tanner Dark has an oil-free, noncomedogenic formula that absorbs quickly. Little Licks cherry-flavored lip balm, in an SPF 30 formula, is designed to protect kids' lips from sun, wind, and cold. Two SPF 15 Lip Balms are available for adults: One contains moisturizing aloe and vitamin E; the other has a natural fruit flavor. The Kids Stick provides waterproof protection from UVA and UVB rays for noses, chins, and ears ... Beiersdorf, Norwalk, Conn., is introducing Nivea Visage Anti-Wrinkle and Firming Creme. It features an antioxidant complex plus vitamins A and E. The 1.5-oz. jar will retail for approximately \$8 ... From Bausch & Lomb, Rochester, ReNu Multi-Purpose Solution for soft contact lenses sports new packaging. It features graphic design changes to help consumers locate the product on the retail shelf, readily identify its unique ingredients, and maintain compliance with a prescribed lens care regimen ... The Andrew Jergens Co., Cincinnati, repositioning its Jergens Skincare brand, is introducing a new line of Jergens Skincare Moisturizing Body Bars and a new alpha hydroxy Ultra Healing Cream ... Naturistics, Farmingdale, N.Y., has introduced an antioxidant skin care line which includes Pink Grapefruit Facial Soap, Pink Grapefruit Foaming Cleanser, Oatmeal Foaming Cleanser, Green \*\*\*Tea\*\*\* Facial Cream, \*\*\*Wild\*\*\* Chamomile Facial Lotion, \*\*\*Ginseng\*\*\* Root Facial Moisturizer, and Sunflower Seed Refining Facial Mask. Each will retail between \$4.50 and \$8.

THIS IS THE FULL TEXT: COPYRIGHT 1997 Medical Economics Publishing  
 CT \*PC3999910 Barber & Beauty Supplies;  
 PC3850000 Ophthalmic Goods;  
 PC2869312 Antioxidants; PC2844000 Toiletries; PC2834000 Pharmaceutical Preparations  
 CC \*EC336 Product introduction  
 CO \*Naturistics; Bausch and Lomb Inc.; Beiersdorf North America; Andrew Jergens Co.; Schering-Plough HealthCare Products  
 GT New: \*CC1USA United States  
 Old: \*CC1USA United States  
 FEAT LOB; INDUSTRY; COMPANY  
 RN 520-36-5 (CHAMOMILE)  
 1406-18-4 (VITAMIN E)  
 121736-22-9 (LIBERTY)  
 152159-65-4 (SUNBLOCK)

L10 ANSWER 2 OF 6 PROMT COPYRIGHT 2003 Gale Group

AN 96:12122 PROMT  
 TI Health Valley \*\*\*Ginseng\*\*\* Iced  
 \*\*\*Tea\*\*\* - Cranberry;  
 \*\*\*Wild\*\*\* Berry; Mango MANUFACTURER:  
 Health Valley Foods CATEGORY: Tea  
 SO Product Alert, (8 Jan 1995) pp. N/A.  
 ISSN: 0740-3801.  
 LA English  
 WC 152  
 AB Ginseng Iced Tea has been introduced under the Health Valley brand name as a "high energy thirst quencher." Presented in glass bottles, the product comes in three "pick-me-up flavors" - Cranberry, Wild Berry and Mango. Company literature states, "This unique iced tea is a revolutionary breakthrough in high energy drinks. It's the first iced tea ever made for people who want quick energy, and it provides all the other healthy benefits of 100 milligrams of ginseng in every glass." Claimed to offer zesty refreshment, 8 ounces of Ginseng Iced Tea are said to provide 100mg of ginseng, only 15mg of caffeine (compared to 50mg in brewed tea and 140mg in coffee), and 10% of the daily value of vitamin C. The Ginseng Iced Tea has "no refined sugar, artificial flavors or colors." Health Valley Foods of Irwindale, CA, is the manufacturer. For sample retrieval information, please call: Marketing Intelligence Service, Ltd., (716) 374-6326.

THIS IS THE FULL TEXT: COPYRIGHT 1995 Marketing Intelligence Service Ltd.  
 CT \*PC2086080 Nonfruit Drinks ex Carbonated  
 CC \*EC33 Product Design & Development  
 CO \*Health Valley Foods  
 GT New: \*CC1USA United States  
 Old: \*CC1USA United States  
 FEAT COMPANY; NEWSLETTER  
 RN 50-81-7 (VITAMIN C)  
 58-08-2 (CAFFEINE)

L10 ANSWER 3 OF 6 BIOBUSINESS COPYRIGHT 2003 BIOSIS  
 AN 93:16751 BIOBUSINESS  
 DN 0515397  
 TI Vermont \*\*\*Wild\*\*\* \*\*\*Ginseng\*\*\*  
 herbal \*\*\*tea\*\*\* bags.  
 AU ANON  
 SO NEW PRODUCT NEWS, (1993) VOL.29, NO.2, March 9, P.19.  
 FS UNIQUE  
 LA ENGLISH  
 CC 41200 MALTS, BREWS & OTHER FERMENTATION PRODUCTS  
 ST BEVERAGE INDUSTRY; TEA; NEW PRODUCTS; VARIETIES; PACKAGING; BRAND NAME; HEALTH FOOD STORE; USA  
 CO NATURES OWN, CHELSEA, VT

L10 ANSWER 4 OF 6 PROMT COPYRIGHT 2003 Gale Group

AN 93:430823 PROMT  
 TI Nature's Own Vermont \*\*\*Wild\*\*\*  
 \*\*\*Ginseng\*\*\* Herbal \*\*\*Tea\*\*\*

Blend - All \*\*\*Ginseng\*\*\* ; Vermont  
 \*\*\*Wild\*\*\* \*\*\*Ginseng\*\*\*  
 Herbal \*\*\*Tea\*\*\* Blend - The Woods  
 MANUFACTURER: Nature's Own  
 CATEGORY: Tea  
 SO Product Alert, (21 Dec 1992) pp. N/A.  
 LA English  
 WC 369  
 AB A line of Vermont \*\*\*Wild\*\*\*  
 \*\*\*Ginseng\*\*\* Herbal \*\*\*Tea\*\*\*  
 Blends has been introduced under the  
 Nature's Own brand name. The "hand  
 blended, 100% natural" teas are said to  
 be free of caffeine, sugar,  
 artificial sweeteners and preservatives.  
 They are made with a "blend of  
 carefully selected herbs and Vermont wild  
 ginseng roots and leaves." All  
 Ginseng is a red tea that offers a  
 sweetish aromatic flavor and can be  
 used as a general tonic or for symptoms  
 of stress. Brown Cow is a light  
 brown tea that has a "smooth roasted  
 coffee-like flavor with a fragrant  
 alpine smell." This "thirst-quenching"  
 beverage can be used as a general  
 tonic and stimulant; it makes a "good  
 coffee substitute." Church Steeple  
 is a white tea with a "sweet mild flavor  
 with the slightest hint of mint  
 and apricots." It is said to settle  
 stomach and bronchial problems and is  
 good for insomnia as well as edema. Grey  
 Dusty Road has a "sweet, warm and  
 mellow 'tea' flavor" that is said to be  
 aromatic; it is good for colds,  
 flu and fever. Green Mellowcalf, said to  
 be a stomach settler, offers a  
 "warm, smooth roasted coffee-like flavor  
 with just a bit of bite." The  
 Morning After is a blue tea which is  
 "clean, piny and aromatic with a  
 tang" and "good for headaches, upset  
 stomach; clears mucous passages;  
 alleviates indigestion; calms nerves."  
 Named after the wild ginseng leaves  
 in their fall foliage, Woodland Gold is a  
 gold tea with a "mild, pleasant,  
 woody flavor with a cool after-taste,  
 reminiscent of Darjeeling tea." It  
 is said to be a stomach settler; it also  
 benefits "anemia, edema and  
 insomnia." The Woods, an autumn orange  
 tea with a "pleasant woody flavor  
 with a cool after-taste, reminiscent of  
 mulled apples," is said to be good  
 for heart and circulation; it soothes the  
 nerves and indigestion; and  
 provides colds, flu and sore throat  
 relief. Manufactured by Chelsea,  
 VT-based Nature's Own, each product is  
 sold in a 6-pack; "each tea comes  
 in its own reusable muslin tea bag that  
 can be made by the pot or 6-8  
 individual (225ml) servings." To check  
 the availability and cost of  
 purchasing a sample of this product  
 contact: Marketing Intelligence  
 Service, Ltd., (716) 374-6326.  
 THIS IS THE FULL TEXT: Copyright 1992 by  
 Marketing Intelligence Service

Ltd.  
 CT \*PC2099500 Processed Tea  
 CC \*EC33 Product Design & Development  
 CO \*Nature's Own  
 GT New: \*CC1USA United States  
 Old: \*CC1USA United States  
 FEAT NEWSLETTER; COMPANY  
 RN 58-08-2 (CAFFEINE)  
 L10 ANSWER 5 OF 6 PROMT COPYRIGHT 2003 Gale  
 Group  
 AN 89:201825 PROMT  
 TI Sun Siberian Ginseng Natural Herb Tea  
 Bags MANUFACTURER: YSK International  
 Corp. CATEGORY: Tea  
 SO Product Alert, (4 Sep 1989) pp. N/A.  
 LA English  
 WC 149  
 AB " \*\*\*Wild\*\*\* " Sun Siberian  
 \*\*\*Ginseng\*\*\* Natural Herb \*\*\*Tea\*\*\*  
 Bags are on the market in the U.S. in  
 boxes containing 25 tea bags  
 individually wrapped in packets.  
 Manufactured in Japan by YSK  
 International Corp. and distributed in  
 the U.S. by Sun Chlorella of  
 Torrance, CA, they are said to be 100%  
 natural and caffeine free. For the  
 "perfect pick-me-up at any time of the  
 day, alone or with meals, pour  
 fresh boiling water over one tea bag per  
 cup, letting it stand for 3-5  
 minutes until a soft green color and  
 unique elegant fragrance tell you it  
 is ready to enjoy." It can also be  
 served over ice after brewing. This  
 product is identified as a "higher source  
 of natural energy." To obtain a  
 sample of this product, contact:  
 Marketing Intelligence Service, Ltd.,  
 (716) 374-6326 for availability, pricing  
 and delivery.  
 THIS IS THE FULL TEXT: Copyright 1989 by  
 Marketing Intelligence Service  
 Ltd.  
 CT \*PC2099582 Tea in Bags  
 CC \*EC33 Product Design & Development  
 CO \*YSK Intl  
 GT New: \*CC1USA United States  
 Old: \*CC1USA United States  
 FEAT COMPANY; NEWSLETTER  
 L10 ANSWER 6 OF 6 NTIS COPYRIGHT 2003  
 NTIS  
 AN 2002(08):00096 NTIS Order Number:  
 MIC-102-00258/XAB  
 TI Production of fruits, medicinal and  
 ornamental plants in northern  
 Saskatchewan: Final report.  
 AU Ivanochko, G.; Tanino, K. K.; Maybin,  
 S.  
 CS Saskatchewan. Agriculture Development  
 Fund, Regina (Canada). (999999999  
 9999999)  
 NR MIC-102-00258/XAB  
 30p; c2001  
 DT Report  
 CY Canada  
 LA English

NTE On cover: Prepared by University of Saskatchewan. Cover title:  
 Production of native fruits, medicinal and ornamental plants in northern Saskatchewan: Final report.  
 AV Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)605-6900; and email at orders@ntis.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.  
 NTIS Prices: PC E07/MF E01  
 OS GRA&IO208  
 AB Presents results of field trials conducted in northern Saskatchewan to determine the potential of various fruit & medicinal plant crops. Yields and fruit or plant characteristics are reported for blueberry, Siberian \*\*\*ginseng\*\*\*, Labrador \*\*\*tea\*\*\*, fireweed, \*\*\*wild\*\*\* mint, sweetgrass, blood root, goldenseal, strawberry, and others. Appendices include a report on commercialization of cloudberry in Norway.  
 CC 98D Agronomy, horticulture, and plant pathology  
 CT \*Plant crops; \*Fruit; Canada; Field trials; Medicinal plants  
 \*FOREIGN TECHNOLOGY

=> index bioscience napralert

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
 COST IN U.S. DOLLARS  
 SINCE FILE TOTAL

ENTRY	SESSION
FULL ESTIMATED COST	
25.28	157.84

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...'  
 ENTERED AT 15:39:43 ON 27 JAN 2003

65 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

=> s wild (4a) ginseng (4a) (soup? or consume?)

0\* FILE DRUGU  
 29 FILES SEARCHED...  
 60 FILES SEARCHED...

0 FILES HAVE ONE OR MORE ANSWERS, 65 FILES SEARCHED IN STNINDEX

L11 QUE WILD (4A) GINSENG (4A) (SOUP? OR CONSUME?)

=> s wild (6a) ginseng (6a) (soup? or consume?)

0\* FILE DRUGU  
 29 FILES SEARCHED...  
 56 FILES SEARCHED...

0 FILES HAVE ONE OR MORE ANSWERS, 65 FILES SEARCHED IN STNINDEX

L12 QUE WILD (6A) GINSENG (6A) (SOUP? OR CONSUME?)

=>  
 Connection closed by remote host

Welcome to STN International! Enter x:x

LOGINID:sssptal65lpxp

PASSWORD:  
 TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN International \*\*\*\*\*

NEWS 1	Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08 "Ask CAS" for self-help around the clock
NEWS 3	Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09 ZDB will be removed from STN
NEWS 5	Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03 New e-mail delivery for search results now available
NEWS 10	Jun 10 MEDLINE Reload
NEWS 11	Jun 10 PCTFULL has been reloaded
NEWS 12	Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22 USAN to be reloaded July 28, 2002;
	saved answer sets no longer valid
NEWS 14	Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30 NETFIRST to be removed from STN
NEWS 16	Aug 08 CANCERLIT reload
NEWS 17	Aug 08 PHARMAMarketLetter (PHARMAML) - new on STN
NEWS 18	Aug 08 NTIS has been reloaded and enhanced
NEWS 19	Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded

NEWS 22 Aug 26 Sequence searching in  
REGISTRY enhanced

NEWS 23 Sep 03 JAPIO has been reloaded and  
enhanced

NEWS 24 Sep 16 Experimental properties  
added to the REGISTRY file

NEWS 25 Sep 16 CA Section Thesaurus  
available in CAPLUS and CA

NEWS 26 Oct 01 CASREACT Enriched with  
Reactions from 1907 to 1985

NEWS 27 Oct 21 EVENTLINE has been reloaded

NEWS 28 Oct 24 BEILSTEIN adds new search  
fields

NEWS 29 Oct 24 Nutraceuticals International  
(NUTRACEUT) now available on STN

NEWS 30 Oct 25 MEDLINE SDI run of October  
8, 2002

NEWS 31 Nov 18 DKILIT has been renamed  
APOLLIT

NEWS 32 Nov 25 More calculated properties  
added to REGISTRY

NEWS 33 Dec 02 TIBKAT will be removed from  
STN

NEWS 34 Dec 04 CSA files on STN

NEWS 35 Dec 17 PCTFULL now covers WP/PCT  
Applications from 1978 to date

NEWS 36 Dec 17 TOXCENTER enhanced with  
additional content

NEWS 37 Dec 17 Adis Clinical Trials Insight  
now available on STN

NEWS 38 Dec 30 ISMEC no longer available

NEWS 39 Jan 13 Indexing added to some pre-  
1967 records in CA/CAPLUS

NEWS 40 Jan 21 NUTRACEUT offering one free  
connect hour in February 2003

NEWS 41 Jan 21 PHARMAML offering one free  
connect hour in February 2003

NEWS EXPRESS January 6 CURRENT WINDOWS  
VERSION IS V6.01a,  
CURRENT MACINTOSH VERSION IS  
V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS  
DATED 01 OCTOBER 2002

NEWS HOURS STN Operating Hours Plus Help  
Desk Availability

NEWS INTER General Internet Information

NEWS LOGIN Welcome Banner and News Items

NEWS PHONE Direct Dial and  
Telecommunication Network Access to STN

NEWS WWW CAS World Wide Web Site  
(general information)

Enter NEWS followed by the item number or name  
to see news on that  
specific topic.

All use of STN is subject to the provisions  
of the STN Customer  
agreement. Please note that this agreement  
limits use to scientific  
research. Use for software development or  
design or implementation  
of commercial gateways or other similar uses  
is prohibited and may  
result in loss of user privileges and other  
penalties.

\* \* \* \* \* STN Columbus \* \*  
\* \* \* \* \*

FILE 'HOME' ENTERED AT 09:52:41 ON 28 JAN 2003

=> index bioscience napralert

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
COST IN U.S. DOLLARS  
SINCE FILE TOTAL

ENTRY SESSION  
FULL ESTIMATED COST  
0.21 0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS,  
AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,  
BIOCOMMERCE, BIOSIS, BIOTECHABS,  
BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,  
CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI,  
CROPB, CROPU, DDFB, DDFU, DGENE,  
DRUGB, DRUGLAUNCH, DRUGMONOG2, ...'  
ENTERED AT 09:52:52 ON 28 JAN 2003

65 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term  
postings or to view  
search error messages that display as 0\* with  
SET DETAIL OFF.

=> s ginseng? (s) (water or aqueous) (s)  
(wild? or natural?) same (extract? or purif?  
or isolat? or separat?)

MISSING OPERATOR NATURAL?) SAME  
The search profile that was entered contains  
terms or  
nested terms that are not separated by a  
logical operator.

=> s ginseng? (s) (water or aqueous) (s)  
(wild? or natural?) (s) (extract? or purif? or  
isolat? or separat?)

1 FILE AGRICOLA  
8 FILE BIOSIS  
3 FILE BIOTECHABS  
3 FILE BIOTECHDS  
11 FILES SEARCHED...  
1 FILE BIOTECHNO  
4 FILE CABA  
4 FILE CANCERLIT  
1 FILE CAPLUS  
18 FILES SEARCHED...  
1 FILE CROPU  
3 FILE DDFU  
5 FILE DRUGU  
29 FILES SEARCHED...  
6 FILE EMBASE  
1 FILE ESBIODASE  
1\* FILE FEDRIP  
1 FILE FROSTI  
1 FILE FSTA  
38 FILES SEARCHED...  
4 FILE IFIPAT  
1 FILE JICST-EPLUS  
2 FILE LIFESCI  
45 FILES SEARCHED...  
6 FILE MEDLINE  
3 FILE PASCAL

50 FILES SEARCHED...

63	FILE PROMT
5	FILE SCISEARCH
49	FILE USPATFULL

59 FILES SEARCHED...

2	FILE USPAT2
45	FILE WPIDS

63 FILES SEARCHED...

45	FILE WPINDEX
----	--------------

27 FILES HAVE ONE OR MORE ANSWERS, 65  
FILES SEARCHED IN STINDEX

L1 QUE GINSENG? (S) (WATER OR AQUEOUS) (S)  
(WILD? OR NATURAL?) (S) (EXTRACT?  
OR PURIF? OR ISOLAT? OR SEPARAT?)

=> d rank

F1	63	PROMT
F2	49	USPATFULL
F3	45	WPIDS
F4	45	WPINDEX
F5	8	BIOSIS
F6	6	EMBASE
F7	6	MEDLINE
F8	5	DRUGU
F9	5	SCISEARCH
F10	4	CABA
F11	4	CANCERLIT
F12	4	IFIPAT
F13	3	BIOTECHABS
F14	3	BIOTECHDS
F15	3	DDFU
F16	3	PASCAL
F17	2	LIFESCI
F18	2	USPAT2
F19	1	AGRICOLA
F20	1	BIOTECHNO
F21	1	CAPLUS
F22	1	CROPU
F23	1	ESBIOBASE
F24	1	FROSTI
F25	1	FSTA
F26	1	JICST-EPLUS
F27	1*	FEDRIP

=> f11 f5, f6, f7, f8, f9, f10, f11, f20, f21,  
f19, f22

COST IN U.S. DOLLARS  
SINCE FILE TOTAL

ENTRY	SESSION
FULL ESTIMATED COST	
13.75	13.96

FILE 'BIOSIS' ENTERED AT 10:08:06 ON 28 JAN  
2003  
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS  
INC.(R)

FILE 'EMBASE' ENTERED AT 10:08:06 ON 28 JAN  
2003  
COPYRIGHT (C) 2003 Elsevier Science B.V. All  
rights reserved.

FILE 'MEDLINE' ENTERED AT 10:08:06 ON 28 JAN  
2003

FILE 'DRUGU' ACCESS NOT AUTHORIZED

FILE 'SCISEARCH' ENTERED AT 10:08:06 ON 28 JAN  
2003  
COPYRIGHT (C) 2003 Institute for Scientific  
Information (ISI) (R)

FILE 'CABA' ENTERED AT 10:08:06 ON 28 JAN 2003  
COPYRIGHT (C) 2003 CAB INTERNATIONAL (CABI)

FILE 'CANCERLIT' ENTERED AT 10:08:06 ON 28 JAN  
2003

FILE 'BIOTECHNO' ENTERED AT 10:08:06 ON 28 JAN  
2003  
COPYRIGHT (C) 2003 Elsevier Science B.V.,  
Amsterdam. All rights reserved.

FILE 'CAPLUS' ENTERED AT 10:08:06 ON 28 JAN  
2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN  
CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY  
(ACS)

FILE 'AGRICOLA' ENTERED AT 10:08:06 ON 28 JAN  
2003

FILE 'CROPU' ENTERED AT 10:08:06 ON 28 JAN  
2003  
COPYRIGHT (C) 2003 THOMSON DERWENT

=> s 11\

L2 72090 L1\

=> s 11

5 FILES SEARCHED...

L3	37 L1
----	-------

=> dup rem 13

PROCESSING COMPLETED FOR L3  
L4 15 DUP REM L3 (22 DUPLICATES  
REMOVED)

=> d 14 1- all

YOU HAVE REQUESTED DATA FROM 15 ANSWERS -  
CONTINUE? Y/(N):y

L4 ANSWER 1 OF 15 CROPU COPYRIGHT 2003  
THOMSON DERWENT  
AN 2002-83928 CROPU P G  
TI Antimicrobial plant activator for  
preparing organic agricultural  
products, comprises aqueous mixture of  
cereals extracted-antimicrobial  
extract, and fermented fruit and  
saccharides-derived enzyme.  
IN ---  
PA Human  
LO Jap.  
PI JP 2001302426 A 20011031  
AI JP 2000-123824 20000425  
DT Patent  
LA Japanese  
OS WPI: 2002-167337

AB An antimicrobial plant activator comprising an aqueous solution of a mixture of an antimicrobial extract obtained from cereals, and an enzyme obtained by fermenting a mixture of fruit and saccharides (preferably 33.4% brown sugar, 26.1% fruit waste and 14.0% citrus wastes). The aqueous activator is obtained mixing a plant derived enzyme and an antimicrobial cereal extract (produced by steeping cereal grains in water, heating and filtering) at a ratio of 1:15. The aqueous activator was applied to seeds or an unspecified crop, and the seeds were allowed to germinate. The activated solution was also sprinkled for 5-7 days to the leaf surface, and also root tension was accelerated at root caps. Germination rates were improved, and fruits and vegetables showed increases in flower development and fruiting rate.

SH P Plant Biology  
G Galenics

CT CROP \*TR; SOYA \*OC; RICE \*OC; WHEAT \*OC; PINEAPPLE \*OC; BANANA \*OC; APPLE \*OC; GARLIC \*OC; GINSENG \*OC; SESAME \*OC; ALGA \*OC; LOTUS \*OC; MANDARIN \*OC; ORANGE \*OC; BEAN \*OC; LEGUME \*OC; VEGETABLE \*OC; CROP \*OC; CEREAL \*OC; FRUIT-CROP \*OC; POMACEOUS-FRUIT \*OC; ONION \*OC; AROMATIC \*OC; MEDICINAL \*OC; OLEAGINOUS \*OC; CITRUS \*OC; PLANT-GROWTH-INDUCTOR \*FT; FERMENTATION \*FT; FRUIT \*FT; GRAIN \*FT; SUCROSE \*FT; COMP. \*FT; ENZYME \*FT; INDUCTION \*FT; GERMINATION \*FT; GROWTH \*FT; LIQUID \*FT; PH-PK \*FT; YIELD \*FT; PLANT-PART \*FT; SEED \*FT; FORMULATION \*FT; TR \*FT

FA AB; LA; CT

L4 ANSWER 2 OF 15 SCISEARCH COPYRIGHT 2003  
ISI (R)  
AN 2001:890576 SCISEARCH  
GA The Genuine Article (R) Number: 487TD  
TI Ultrafast spectroscopy studies on the mechanism of electron transfer and energy conversion in the isolated pseudo ginseng, water hyacinth and spinach chloroplasts  
AU Xu S C (Reprint); Sun Z Y; Ai X C; Feng J; Zhang Q Y; Zhang X K; Yu F; Tang C Q; Li L B; Kuang T Y  
CS Chinese Acad Sci, Inst Chem, Ctr Mol Sci, State Key Lab Struct Chem  
Unstable & Stable Speci, Beijing 100080, Peoples R China (Reprint);  
Chinese Acad Sci, Inst Bot, Photosynth Res Ctr, Beijing 100093, Peoples R China  
CYA Peoples R China  
SO SCIENCE IN CHINA SERIES B-CHEMISTRY, (AUG 2001) Vol. 44, No. 4, pp. 366-380.  
Publisher: SCIENCE PRESS, 16 DONGHUANGCHENGGEN NORTH ST, BEIJING 100717, PEOPLES R CHINA.  
ISSN: 1006-9291.

DT Article; Journal  
LA English  
REC Reference Count: 46  
AB The spectroscopy characteristics and the fluorescence lifetime for the chloroplasts \*\*\*isolated\*\*\* from the pseudo \*\*\*ginseng\*\*\*, \*\*\*water\*\*\* hyacinth and spinach plant leaves have been studied by absorption spectra, low temperature steady-state fluorescence spectroscopy and single photon counting measurement under the same conditions and by the same methods. The similarity of the absorption spectra for the chloroplasts at room temperature suggests that different plants can efficiently absorb light of the same wavelength. The fluorescence decays in PS II measured at the \*\*\*natural\*\*\* Q(A) state for the chloroplasts have been fitted by a three-exponential kinetic model. The three fluorescence lifetimes are 30, 274 and 805 ps for the pseudo \*\*\*ginseng\*\*\* chloroplast; 138, 521 and 1494 ps for the \*\*\*water\*\*\* hyacinth chloroplast; 197, 465 and 1459 ps for the spinach chloroplast, respectively. The slow lifetime fluorescence component is assigned to a collection of associated light harvesting Chl a/b proteins, the fast lifetime component to the reaction center of PS II and the middle lifetime component to the delay fluorescence of recombination of P-680(+) and Pheo(-). The excitation energy conversion efficiency ( $\eta$ ) in PS II RC is defined and calculated on the basis of the 20 ps electron transfer time constant model, 60%, 87% and 91% for the pseudo \*\*\*ginseng\*\*\*, \*\*\*water\*\*\* hyacinth and spinach chloroplasts, respectively. This interesting result is in unconformity with what is assumed to be 100% efficiency in PS II RC. Our result in this work stands in line with the 20 ps electron transfer time constant in PS II rather sound and the \*\*\*water\*\*\* hyacinth plant grows slower than the spinach plant does as envisaged on the efficiency. But, our results predict that those plants can perform highly efficient transfer of photo-excitation energy from the light-harvesting pigment system to the reaction center (closely to 100%). The conclusion contained in this paper reveals the plant growth characteristics expressed in the primary processes of photosynthesis and a relationship between a plant growing rate and its spectroscopy characteristics and fluorescence lifetimes, namely, the slower a plant grows, the less excitation energy conversion efficiency used might be anticipated.

CC CHEMISTRY, MULTIDISCIPLINARY

ST Author Keywords: pseudo ginseng; water  
hyacinth; chloroplast; single  
photon counting; fluorescence lifetime;  
excitation energy conversation  
efficiency  
STP KeyWords Plus (R): II REACTION CENTERS;  
PRIMARY CHARGE SEPARATION;  
TRANSIENT ABSORPTION-SPECTROSCOPY;  
CHLOROPHYLL FLUORESCENCE KINETICS;  
TIME-RESOLVED FLUORESCENCE; PIGMENT-  
PROTEIN COMPLEXES; 2 REACTION CENTERS;  
PHOTOSYSTEM-II; PICOSECOND FLUORESCENCE;  
REDUCTION  
RE

Referenced Author Referenced Work (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	
*KUNM BOT I  YUNN PLANT ANN	1991		708	
*YUNN BOT I  YUNN PLANT ANN	1979		509	
AMON D I  PLANT PHYSIOL	1949	24	1	
ANDERSON J M  BIOCHIM BIOPHYS ACTA	1966	112	403	
ARNOLD W  NATL ACAD SCI USA	1960	46	769	P
BERENS S J  PHOTOCHEM PHOTOBIO	1985	42	59	
BRETON J  PHOTOSYNTHESIS	1983	1	153	
BRIANTAIS J M  LIGHT EMISSION PLANT	1986		539	
BUTLER W L  CIBA FDN S	1979		237	
COLE S T  NATURE	1998	393	537	
CONNOR D V  TIME CORRELATED SING	1984			
COWAN D C  ELEMENTS ORGANIC PHO	1976			
DONOVAN B  PHYS CHEM-US	1996	100	1945	J
DROPPA M  PHOTOSYNTH RES	1981	2	31	
DURRANT J R  CHEM PHYS LETT	1992	188	54	
DURRANT J R  BIOCHEMISTRY-US	1993	32	8259	
DURRANT J R  NATL ACAD SCI USA	1992	89	11632	P
FREIBERG A  BIOCHIM BIOPHYS ACTA	1994	1184	45	
GULOTTY R J  PHOTOCHEM PHOTOBIO	1985	41	487	
HASTINGS G  BIOCHEMISTRY-US	1992	31	7638	
HODGES M  BIOCHIM BIOPHYS ACTA	1987	892	42	
HODGES M  BIOCHIM BIOPHYS ACTA	1988	935	41	
HOLZWARTH A R  LUMIN	1994	60	497	J
KEUPER H J K  PHOTOSYNTH RES	1989	20	85	
KLUG D R  CHEM PHYS	1995	194	433	

MARDER J B  PHOTOSYNTHETICA	1993	28	243	
MCCAULEY S W  CHEM PHYS LETT	1992	198	437	
MELIS A  BIOCHIM BIOPHYS ACTA	1983	724	473	
MYSLIWAKURDZIEL B  PLANT CELL PHYSIOL	1997	38	1187	
NORDLUND T M  BIOPHYS J	1981	36	193	
PAPAGEORGIOU G  BIOENERG PHOTOSYNTH	1975		319	
ROELOFS T A  BIOCHIM BIOPHYS ACTA	1993	1143	147	
ROELOFS T A  BIOPHYS J	1992	61	1147	
SCHATZ G H  BIOPHYS J	1988	54	397	
SCHELVIS J P M  BIOCHIM BIOPHYS ACTA	1994	1184	242	
SEELY G R  LIGHT EMISSION PLANT	1986		99	
SOMERVILLE C  SCIENCE	1999	285	380	
TANG Z Q  ACTA PHYTOPHYSIOLOGI	1983	9	275	
TANG Y Q  EXPT METHODS ACTIVE	1990		53	
VASS I  BIOCHIM BIOPHYS ACTA	1993	1183	388	
WARE W R  TIME RESOLVED FLUORE	1983		23	
WASIELEWSKI M R  PHOTOSYNTH RES	1989	22	89	
WASIELEWSKI M R  NATL ACAD SCI USA	1989	86	524	P
XU S C  CHINESE J CHEM	2001	59	937	
ZHANG Q D  ACTA BIOPHYS SIN	1988	4	192	
ZHANG Q D  ACTA BIOPHYS SIN	1988	4	182	

L4 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2003  
ACS  
AN 2000:470370 CAPLUS  
DN 133:79051  
TI Composition for prevention of striae  
gravidarum  
IN Takashima, Yoshie  
PA Kansai Koso K. K., Japan  
SO Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
IC ICM A61K007-48  
ICS A61K007-00; A61P043-00; A61K031-355;  
A61K035-78; A61K045-08  
CC 62-4 (Essential Oils and Cosmetics)  
FAN.CNT 1  
PATENT NO. KIND DATE  
APPLICATION NO. DATE  
-----  
PI JP 2000191492 A2 20000711 JP  
1998-366706 19981224  
PRAI JP 1998-366706 19981224  
AB A compn. [e.g. cream] for prevention of  
striae gravidarum comprise  
humectants, skin softening agents and  
cell activators at ratio of 0.001-5

: 0.01-50 : 0.001-5. A cream contained sodium hyaluronate 0.1, avocado oil 3, squalane 3, octyl dodecanol 2, \*\*\*natural\*\*\* vitamin E 1, \*\*\*ginseng\*\*\* ext. 1, Scutellaria baicalensis ext. 1, yeast ext. 1, glycerol tri-2-ethylhexanoate 12, stearic acid 3, POE sorbitan monostearate 4, cetanol 5, glycerin 5 sodium hydroxide 0.7 and \*\*\*purified\*\*\* \*\*\*water\*\*\* to 100 parts.

ST striae gravidarum humectant skin softener; cell activator pregnancy striae gravidarum

IT Animal cell  
(activators; compn. for prevention of striae gravidarum)

IT Fats and Glyceridic oils, biological studies  
RL: BUU (Biological use, unclassified);  
BIOL (Biological study); USES  
(Uses)  
(avocado; compn. for prevention of striae gravidarum)

IT Cream  
Ginkgo biloba  
Ginseng (Panax)  
Humectants  
Lactic acid bacteria  
Placenta  
Scutellaria baicalensis  
Yeast  
(compn. for prevention of striae gravidarum)

IT Castor oil  
Collagens, biological studies  
Paraffin oils  
RL: BUU (Biological use, unclassified);  
BIOL (Biological study); USES  
(Uses)  
(compn. for prevention of striae gravidarum)

IT Cosmetics  
(creams; compn. for prevention of striae gravidarum)

IT Softening agents  
(skin; compn. for prevention of striae gravidarum)

IT Phospholipids, biological studies  
RL: BUU (Biological use, unclassified);  
BIOL (Biological study); USES  
(Uses)  
(soya, hydrogenated; compn. for prevention of striae gravidarum)

IT Pregnancy  
(striae gravidarum in; compn. for prevention of striae gravidarum)

IT 56-81-5, Glycerin, biological studies  
56-86-0, Glutamic acid, biological studies  
57-11-4, Stearic acid, biological studies  
72-17-3, Sodium lactate  
111-01-3, Squalane  
1406-18-4, Vitamin E  
9005-67-8, Polyoxyethylene sorbitan monostearate  
9067-32-7, Sodium hyaluronate  
34513-50-3, Octyl dodecanol  
36653-82-4, Cetanol  
126042-44-2, Glycerol  
2-ethylhexanoate  
RL: BUU (Biological use, unclassified);  
BIOL (Biological study); USES

(Uses)  
(compn. for prevention of striae gravidarum)

L4 ANSWER 4 OF 15 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
1  
AN 1999:492859 BIOSIS  
DN PREV199900492859  
TI Enhancement of the nerve growth factor-mediated neurite outgrowth from PC12D cells by Chinese and Paraguayan medicinal plants.  
AU Li, Ping; Matsunaga, Kimihiro; Ohizumi, Yasushi (1)  
CS (1) Department of Pharmaceutical Molecular Biology, Faculty of Pharmaceutical Sciences, Tohoku University, Aoba, Aramaki, Aoba-ku, Sendai, 980-8578 Japan  
SO Biological & Pharmaceutical Bulletin, (July, 1999) Vol. 22, No. 7, pp. 752-755.  
ISSN: 0918-6158.

DT Article  
LA English  
SL English  
AB It is very important to search for \*\*\*natural\*\*\* compounds possessing nerve growth factor (NGF)-potentiating activity. \*\*\*Extracts\*\*\* of 7 Chinese and 10 Paraguayan medicinal plants were examined for their effects on the NGF-mediated neurite outgrowth from PC12D cells to evaluate their NGF-potentiating activities. In the methanol \*\*\*extracts\*\*\*, *Gymnomopteris rufa* (LINN.) BERNH, *Ruta graveolens* LINN. and *Picrorhiza scrophulariiflora* PENNELL markedly increased the proportion of neurite-bearing cells. In the case of ethyl acetate fractions, *Equisetum giganteum* LINN. produced the most powerful enhancement of the proportion of the neurite-bearing cells, and the activities were in the following decreasing order: *Equisetum giganteum* LINN., *Gymnomopteris rufa* (LINN.) BERNH, *Ruta graveolens* LINN., and *Picrorhiza scrophulariiflora* PENNELL. In the \*\*\*water\*\*\* fractions, *Imperata cylindrica*, \*\*\*Ginseng\*\*\* Radix, *Gymnomopteris rufa* (LINN.) BERNH, *Gochnatia polymorpha* (LESS) CAB and *Picrorhiza scrophulariiflora* PENNELL caused a weak enhancement of the proportion of PC12D cells with neurites. Of all the \*\*\*extracts\*\*\* and fractions, the methanol \*\*\*extract\*\*\* of *Picrorhiza scrophulariiflora* PENNELL induced the longest neurites in PC12D cells. In the ethyl acetate and \*\*\*water\*\*\* fractions of *Nardostachys chinensis*, long neurites were observed although only a small proportion of PC12D cells had neurites. On the other hand, in the ethyl acetate fraction of *Equisetum giganteum* LINN., while the length of the neurites was short, the



proportion of neurite-bearing cells was largest among all the

\*\*\*extracts\*\*\* and fractions.

CC Pharmacognosy and Pharmaceutical Botany  
\*54000

Cytology and Cytochemistry - Animal  
\*02506

Pathology, General and Miscellaneous -  
Therapy \*12512

Endocrine System - General \*17002

Nervous System - General; Methods \*20501

Pharmacology - General \*22002

Plant Physiology, Biochemistry and

Biophysics - Chemical Constituents  
\*51522

BC Articulatae 23050

Filices 23100

Gramineae 25305

Berberidaceae 25640

Compositae 25840

Labiatae 26230

Piperaceae 26565

Rosaceae 26675

Rutaceae 26685

Scrophulariaceae 26755

Valerianaceae 26925

Animalia - Unspecified 33000

IT Major Concepts

Nervous System (Neural Coordination);

Pharmacognosy (Pharmacology)

IT Chemicals & Biochemicals

medicinal plant methanol extracts;  
nerve growth factor

IT Miscellaneous Descriptors

nerve growth factor-mediated neurite  
outgrowth

ORGN Super Taxa

Animalia; Articulatae: Pteridophyta,  
Plantae; Berberidaceae:

Dicotyledones, Angiospermae,

Spermatophyta, Plantae; Compositae:

Dicotyledones, Angiospermae,

Spermatophyta, Plantae; Filices:

Pteridophyta, Plantae; Gramineae:

Monocotyledones, Angiospermae,

Spermatophyta, Plantae; Labiatae:

Dicotyledones, Angiospermae,

Spermatophyta, Plantae; Piperaceae:

Dicotyledones, Angiospermae,

Spermatophyta, Plantae; Rosaceae:

Dicotyledones, Angiospermae,

Spermatophyta, Plantae; Rutaceae:

Dicotyledones, Angiospermae,

Spermatophyta, Plantae;

Scrophulariaceae: Dicotyledones, Angiospermae,

Spermatophyta, Plantae; Valerianaceae:

Dicotyledones, Angiospermae,

Spermatophyta, Plantae

ORGN Organism Name

Acanthospermum australe (Compositae):

medicinal plant; Atractylodes

chinensis (Compositae): medicinal

plant; Baccharis gaudichaudiana

(Compositae): medicinal plant;

Equisetum giganteum (Articulatae):

medicinal plant; Gochnatia polymorpha

(Compositae): medicinal plant;

Gymnopteris rufa [Gymnopteris rufa]

(Filices): medicinal plant;

Imperata cylindrica (Gramineae):

medicinal plant; Mentha sp.

(Labiatae): medicinal plant; Nandina  
domestica (Berberidaceae):

medicinal plant; Nardostachys

chinensis (Valerianaceae): medicinal

plant; Picrorhiza scrophulariiflora

(Scrophulariaceae): medicinal

plant; Piper fulvescens (Piperaceae):

medicinal plant; PC12D cell line

(Animalia); Rosa banksiae (Rosaceae):

medicinal plant; Ruta graveolens

(Rutaceae): medicinal plant; Zea mays

(Gramineae): medicinal plant

ORGN Organism Superterms

Angiosperms; Animals; Dicots;

Monocots; Plants; Pteridophytes;

Spermatophytes; Vascular Plants

RN 9061-61-4 (NERVE GROWTH FACTOR)

L4 ANSWER 5 OF 15 EMBASE COPYRIGHT 2003

ELSEVIER SCI. B.V.DUPLICATE 2

AN 1999036969 EMBASE

TI Enzymatic modification of natural  
compounds with pharmacological  
properties.

AU Riva S.; Monti D.; Luisetti M.; Danieli  
B.

CS S. Riva, Istituto di Chimica degli  
Ormoni, CNR, 20131 Milano, Italy

SO Annals of the New York Academy of  
Sciences, (1998) 864/- (70-80).

Refs: 13

ISSN: 0077-8923 CODEN: ANYAA

CY United States

DT Journal; Conference Article

FS 029 Clinical Biochemistry

030 Pharmacology

037 Drug Literature Index

LA English

SL English

AB Glycosides of various classes of

\*\*\*natural\*\*\* products are widely

distributed in nature, where they are

often present esterified with

aliphatic and aromatic acids at specific  
OH's of their sugar moieties.

Many of these compounds are

pharmacologically important molecules or

possess other interesting properties. For

instance, ginsenosides (e.g., 3)

are therapeutic dammarane-type

oligoglycosides \*\*\*isolated\*\*\* from the

\*\*\*water\*\*\* -soluble portion of the

dried roots and leaves of Panax

\*\*\*ginseng\*\*\* C.A. Meyer

(Araliaceae), a plant widely used in

traditional Chinese medicine. In recent

years, we have exploited the

regioselectivity of lipases and proteases

in organic solvents for the

synthesis of specific esters of

ginsenosides as well as the selectivity of

the .beta.-1,4-galactosyltransferase from

bovine colostrum to obtain new

glycosyl derivatives of these compounds.

The application of these two

enzymatic methodologies has also been

exemplified with other

\*\*\*natural\*\*\* compounds with

pharmacological properties: digitonin (5),

colchicoside (6), and flavonoid

glycosides.

CT Medical Descriptors:  
 \*drug synthesis  
 esterification  
 glycosylation  
 enzyme activity  
 acylation  
 conference paper  
 Drug Descriptors:  
 \*glycoside: DV, drug development  
 natural product: DV, drug development  
 ginseng: DV, drug development  
 triacylglycerol lipase  
 proteinase  
 ginsenoside: DV, drug development  
 galactosyltransferase  
 digitonin: DV, drug development  
 colchicine derivative: DV, drug development  
 development  
 flavonoid: DV, drug development  
 RN (triacylglycerol lipase) 9001-62-1;  
 (proteinase) 9001-92-7; (ginsenoside)  
 74749-74-9; (galactosyltransferase) 9031-  
 68-9; (digitonin) 11024-24-1

L4 ANSWER 6 OF 15 CANCERLIT  
 AN 1998639490 CANCERLIT  
 DN 98639490  
 TI Comparative studies on  
 anticarcinogenicity between Panax ginseng CA  
 Meyer  
 and Panax notoginseng (Sanchi ginseng)  
 using Yun's 9 week medium-term  
 mouse system (Meeting abstract).  
 AU Yun T-K; Lee Y-S  
 CS Korea Cancer Center Hospital, Seoul, 139-  
 240 Korea.  
 SO Proc Annu Meet Am Assoc Cancer Res,  
 (1997) 38 A2490.  
 ISSN: 0197-016X.  
 DT (MEETING ABSTRACTS)  
 LA English  
 FS Institute for Cell and Developmental  
 Biology  
 EM 199801  
 ED Entered STN: 19980109  
 Last Updated on STN: 19980109  
 AB Since a new 9 week medium-term in vivo  
 model was established using  
 benzo(a)pyrene (BP) induced lung adenoma  
 in newborn mice we have tested  
 the anticarcinogenicity of various  
 \*\*\*natural\*\*\* products using this  
 model. Ascorbic acid, soybean lecithin,  
 Ganoderma lucidum and red  
 \*\*\*ginseng\*\*\* \*\*\*extract\*\*\*  
 showed some inhibition effect on lung  
 tumor incidence, while beta-carotene,  
 carrots, spinach, 13-cis retinoic  
 acid and fresh \*\*\*ginseng\*\*\* did not.  
 This study was carried out to  
 compare the anticarcinogenicity between  
 Panax \*\*\*ginseng\*\*\* C.A. Meyer  
 (PG) and Panax notoginseng (PN), and to  
 \*\*\*isolate\*\*\* the active  
 components from them. BP was injected to  
 the subscapular region of newborn  
 mice within 24 hours of birth at 0.5 mg  
 per mouse. The \*\*\*water\*\*\*,  
 ethanol soluble and ethanol insoluble  
 \*\*\*extracts\*\*\* of each

\*\*\*ginseng\*\*\* were fractionated  
 subsequently and administered to mice  
 through their drinking \*\*\*water\*\*\*  
 for 6 weeks after weaning. All mice  
 were sacrificed at 9th week after birth  
 and lung adenomas were fixed,  
 counted and examined histologically. In  
 PG, both \*\*\*water\*\*\*  
 \*\*\*extract\*\*\* and ethanol soluble  
 fraction showed significant reduction  
 of lung tumor incidence compared to the  
 BP alone group (inhibition ratios  
 were 25% and 27% at 2 mg/ml and 1.6  
 mg/ml, respectively). However, in the  
 case of PN, only the highest dose of  
 ethanol soluble fraction showed  
 anticarcinogenicity (25% inhibition at 3.2  
 mg/ml). Ethanol insoluble  
 fractions of both \*\*\*ginsengs\*\*\* did  
 not show any significant  
 decreases of lung adenoma incidence.  
 These results indicate that PG is  
 more effective than PN in the inhibition  
 of lung adenoma using Yun's 9  
 week medium-term mouse system and may  
 contain more active components.  
 These results suggest that the active  
 components of \*\*\*ginseng\*\*\*  
 should be \*\*\*isolated\*\*\* from the  
 ethanol soluble fraction of PA.  
 RN 50-32-8 (Benzo(a))  
 CN 0 (Anticarcinogenic Agents); 0  
 (Carcinogens)

L4 ANSWER 7 OF 15 BIOSIS COPYRIGHT 2003  
 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
 3  
 AN 1997:263202 BIOSIS  
 DN PREV199799569805  
 TI Ginseng treatment reduces bacterial load  
 and lung pathology in chronic  
 Pseudomonas aeruginosa pneumonia in rats.  
 AU Song, Zhijun (1); Johansen, Helle Krogh;  
 Faber, Viggo; Moser, Claus;  
 Kharazmi, Arsalan; Rygaard, Jorgen;  
 Hoiby, Niels  
 CS (1) Dep. Clinical Microbiol.,  
 Rigshospitalet, Afsnit 9301, Juliane Maries  
 Vej 22, DK-2100 Copenhagen O Denmark  
 SO Antimicrobial Agents and Chemotherapy,  
 (1997) Vol. 41, No. 5, pp. 961-964.  
 ISSN: 0066-4804.  
 DT Article  
 LA English  
 AB The predominant pathogen in patients with  
 cystic fibrosis (CF) is  
 Pseudomonas aeruginosa, which results in  
 a chronic lung infection  
 associated with progressive pulmonary  
 insufficiency. In a rat model of  
 chronic P. aeruginosa pneumonia mimicking  
 that in patients with CF, we  
 studied whether the inflammation and  
 antibody responses could be changed  
 by treatment with the Chinese herbal  
 medicine \*\*\*ginseng\*\*\*. An  
 \*\*\*aqueous\*\*\* \*\*\*extract\*\*\* of  
 \*\*\*ginseng\*\*\* was injected  
 subcutaneously, and cortisone and saline  
 were used as controls. Two weeks

after challenge with *P. aeruginosa*, the \*\*\*ginseng\*\*\* -treated group showed a significantly improved bacterial clearance from the lungs (P lt 0.04), less severe lung pathology (P = 0.05), lower lung abscess incidence (P lt 0.01), and fewer mast cell numbers in the lung foci (P lt 0.005).

Furthermore, lower total immunoglobulin G (IgG) levels (P lt 0.01) and higher IgG2a levels (P lt 0.025) in serum against *P. aeruginosa* sonicate

and a shift from an acute type to a chronic type of lung inflammation compared to those in the control and cortisone-treated groups were

observed. These findings indicate that \*\*\*ginseng\*\*\* treatment of an experimental *P. aeruginosa* pneumonia in rats promotes a cellular response resembling a TH1-like response. On the basis of these results it is suggested that \*\*\*ginseng\*\*\* may have the potential to be a promising

\*\*\*natural\*\*\* medicine, in conjunction with other forms of treatment, for CF patients with chronic *P. aeruginosa* lung infection.

CC Biochemical Studies - General 10060  
Pathology, General and Miscellaneous - Therapy \*12512

Respiratory System - Pathology \*16006  
Medical and Clinical Microbiology - Bacteriology \*36002

Plant Physiology, Biochemistry and Biophysics - Chemical Constituents 51522

Pharmacognosy and Pharmaceutical Botany \*54000

BC Pseudomonadaceae 06508  
Muridae \*86375

IT Major Concepts  
Infection; Pathology; Pharmacognosy (Pharmacology); Respiratory System (Respiration)

IT Miscellaneous Descriptors  
BACTERIAL DISEASE; CHINESE HERBAL MEDICINE; GINSENG EXTRACT; INFECTION; LUNG; MODEL; PHARMACOGNOSY; PNEUMONIA; RESPIRATORY SYSTEM; RESPIRATORY SYSTEM DISEASE

ORGN Super Taxa  
Muridae: Rodentia, Mammalia, Vertebrata, Chordata, Animalia;  
Pseudomonadaceae: Eubacteria, Bacteria  
ORGN Organism Name  
rat (Muridae); *Pseudomonas aeruginosa* (Pseudomonadaceae)

ORGN Organism Superterms  
animals; bacteria; chordates; eubacteria; mammals; microorganisms; nonhuman mammals; nonhuman vertebrates; rodents; vertebrates

L4 ANSWER 8 OF 15 BIOSIS COPYRIGHT 2003  
BIOLOGICAL ABSTRACTS INC.DUPLICATE

4  
AN 1994:275431 BIOSIS  
DN PREV199497288431

TI Differences in immunomodulating effects between wild and cultured Panax

ginseng.

AU Mizuno, Masashi (1); Yamada, Junko (1); Terai, Hirofumi (1); Kozuke, Nobuyuki; Lee, Yong Shun; Tsuchida, Hironobu (1)

CS (1) Lab. Utilization Biol. Resources, Kobe Univ., Nada-Ku, Kobe 657 Japan  
SO Biochemical and Biophysical Research Communications, (1994) Vol. 200, No. 3, pp. 1672-1678.

ISSN: 0006-291X.

DT Article

LA English

AB The different effects between

\*\*\*wild\*\*\* and cultured Panax \*\*\*ginseng\*\*\* on immunological activity were investigated. The \*\*\*extracts\*\*\* of hot \*\*\*water\*\*\* soluble fraction from \*\*\*wild\*\*\*

Panax \*\*\*ginseng\*\*\* showed the mitogenic activity to lymphocytes but that from cultured Panax \*\*\*ginseng\*\*\* did not. The mitogenic activity of \*\*\*wild\*\*\* Panax \*\*\*ginseng\*\*\* (100 mu-g/well) was almost equal to Concanavalin A (0.1 mu-g/well) which was well-known as one of T cell mitogens. The percentages of Thy 1.2-(pan T cells), L3T4-(helper T cells) and Lyt2-(cytotoxic T cells) positive cell population were significantly increased in the mice orally administered hot \*\*\*water\*\*\* soluble fraction from \*\*\*wild\*\*\* Panax \*\*\*ginseng\*\*\* as compared to control by 31.2, 17.9 and 30.1 percent, respectively.

CC Cytology and Cytochemistry - Animal \*02506

Blood, Blood-Forming Organs and Body Fluids - Blood Cell Studies \*15004  
Blood, Blood-Forming Organs and Body

Fluids - Lymphatic Tissue and Reticuloendothelial System \*15008  
Pharmacology - Immunological Processes and Allergy \*22018

Immunology and Immunochemistry - Immunopathology, Tissue Immunology \*34508

Plant Physiology, Biochemistry and Biophysics - Chemical Constituents 51522

Pharmacognosy and Pharmaceutical Botany \*54000

BC Araliaceae 25590  
Muridae \*86375

IT Major Concepts  
Blood and Lymphatics (Transport and Circulation); Cell Biology; Immune System (Chemical Coordination and Homeostasis); Pharmacognosy (Pharmacology); Pharmacology

IT Miscellaneous Descriptors  
T CELL

ORGN Super Taxa

Araliaceae: Dicotyledones, Angiospermae, Spermatophyta, Plantae;  
Muridae: Rodentia, Mammalia, Vertebrata, Chordata, Animalia  
ORGN Organism Name

mouse (Muridae); Panax ginseng  
(Araliaceae)  
ORGN Organism Superterms  
angiosperms; animals; chordates;  
dicots; mammals; nonhuman mammals;  
nonhuman vertebrates; plants; rodents;  
spermatophytes; vascular plants;  
vertebrates

L4 ANSWER 9 OF 15 EMBASE COPYRIGHT 2003  
ELSEVIER SCI. B.V.DUPLICATE 5  
AN 91117559 EMBASE  
DN 1991117559  
TI Immunomodulatory effects of two extracts  
of Panax ginseng C.A. Meyer.  
AU Scaglione F.; Ferrara F.; Dugnani S.;  
Falchi M.; Santoro G.; Frascini F.  
CS Department of Pharmacology, Chemotherapy  
and Toxicology, University of  
Milan, Milan, Italy  
SO Drugs under Experimental and Clinical  
Research, (1990) 16/10 (537-542).  
ISSN: 0378-6501 CODEN: DECRDP  
CY Switzerland  
DT Journal; Article  
FS 026 Immunology, Serology and  
Transplantation  
030 Pharmacology  
037 Drug Literature Index  
LA English  
SL English  
AB The effect of Panax \*\*\*ginseng\*\*\*  
\*\*\*extracts\*\*\* on cell-mediated  
immune functions in man has been  
investigated. Three groups, each  
consisting of twenty healthy volunteers,  
were treated under conditions of  
double blindness with capsules containing  
lactose (Control Group B), with  
capsules containing 100 mg of  
\*\*\*aqueous\*\*\* \*\*\*extract\*\*\* of the  
drug (Group A), and with capsules  
containing 100 mg of standardized  
\*\*\*extract\*\*\* of the drug (Group C).  
All the patients took one capsule  
every 12 h for 8 weeks. Blood samples  
were withdrawn before beginning the  
treatment, at the fourth week and at the  
eighth week. The immune  
parameters examined were the following:  
chemotaxis of PMNs, phagocytosis  
index (PHI), phagocytosis fraction (PHF),  
intracellular killing, total  
lymphocytes (T3), T helper (T4) subset,  
suppressor cells (T8) subset,  
blastogenesis of circulating lymphocytes,  
\*\*\*natural\*\*\* killer-cell  
activity (NK). Chemotaxis proved to be  
enhanced ( $p < 0.05$ ) already at the  
fourth week in Group A as well as in  
Group C; the increase became even  
more marked ( $p < 0.001$ ) at the eighth  
week in subjects belonging to Group  
C. PHI and PHF proved to be enhanced ( $p < 0.05$ ) at the eighth week in  
subjects of Group A; these increases were  
found to be higher in subjects  
of Group C ( $p < 0.001$ ) already starting  
at the fourth week. Intracellular  
killing was shown to be significantly  
increased ( $p < 0.05$ ) already at the

fourth week in Groups A and C; the  
increase becomes highly significant in  
both groups ( $p < 0.001$ ) at the eighth  
week; however, a significant  
increase ( $p < 0.05$ ) at the eighth week  
was also noticed in the placebo  
group (Group B). The total lymphocytes  
(T3) proved to be increased ( $p < 0.05$ ) at the fourth week in Group A as  
well as in Group C; at the eighth  
week the enhancement becomes highly  
significant ( $p < 0.001$ ) in both  
groups. The T4 subset was found to be  
increased ( $p < 0.05$ ) at the eighth  
week in Group A; in Group C the rise  
appears already at the fourth week  
and becomes more marked ( $p < 0.001$ ) at  
the eighth week. The T8 subset does  
not appear to be changed in comparison  
with basal values in any case. The  
T4/ T8 ratio shows a significant  
enhancement ( $p < 0.05$ ) only in Group C  
starting at the fourth week.  
Blastogenesis undergoes a significant  
enhancement ( $p < 0.05$ ) at the eighth week  
in Group A, while in Group C  
that rise appears already at the fourth  
week. A stimulation of the  
blastogenesis induced by the mitogen LPS  
appears highly significant ( $p < 0.001$ ) only in Group C starting at the  
fourth week.  
CT Medical Descriptors:  
\*immune response  
\*immunomodulation  
adult  
article  
chemotaxis  
controlled study  
female  
human  
human experiment  
lymphocyte  
male  
natural killer cell  
normal human  
oral drug administration  
phagocytosis  
priority journal  
Drug Descriptors:  
\*ginseng: PD, pharmacology  
\*ginseng: CM, drug comparison  
\*immunomodulating agent: PD, pharmacology  
\*plant extract: PD, pharmacology  
placebo: CM, drug comparison  
CO Pharmaton (Switzerland)

L4 ANSWER 10 OF 15 BIOSIS COPYRIGHT 2003  
BIOLOGICAL ABSTRACTS INC.  
AN 1991:253496 BIOSIS  
DN BA91:134051  
TI IMMUNOMODULATORY EFFECTS OF TWO EXTRACTS  
OF PANAX-GINSENG C. A. MEYER.  
AU SCAGLIONE F; FERRARA F; DUGNANI S; FALCHI  
M; SANTORO G; FRASCHINI F  
CS DEP. PHARMACOL., CHEMOTHERAPY TOXICOL.,  
UNIV. MILAN, MILAN, ITALY.  
SO DRUGS EXP CLIN RES, (1990) 16 (10), 536-  
542.  
CODEN: DECRDP. ISSN: 0378-6501.  
FS BA; OLD

LA English  
 AB The effect of Panax \*\*\*ginseng\*\*\*  
 \*\*\*extracts\*\*\* on cell-mediated  
 immune functions in man has been  
 investigated. Three groups, each  
 consisting of twenty healthy volunteers,  
 were treated under conditions of  
 double blindness with capsules containing  
 lactose (Control Group B), with  
 capsules containing 100 mg of  
 \*\*\*aqueous\*\*\* \*\*\*extract\*\*\* of the  
 drug (Group A), and with capsules  
 containing 100 mg of standardized  
 \*\*\*extract\*\*\* of the drug (Group C).  
 All the patients took one capsule  
 every 12 h for 8 weeks. Blood samples  
 were withdrawn before beginning the  
 treatment, at the fourth week and at the  
 eighth week. The immune parameters  
 examined were the following: chemotaxis  
 of PMNs, phagocytosis index (PHI),  
 phagocytosis fraction (PHF),  
 intracellular killing, total lymphocytes  
 (T3), T helper (T4) subset, suppressor  
 cells (T8) subset, blastogenesis of  
 circulating lymphocytes, \*\*\*natural\*\*\*  
 killer-cell activity (NK).  
 Chemotaxis proved to be enhanced ( $p < 0.05$ ) already at the fourth week in  
 Group A as well as in Group C; the  
 increase became even more marked ( $p < 0.001$ ) at the eighth week in subjects  
 belonging to Group C. PHI and PHF  
 proved to be enhanced ( $p < 0.05$ ) at the  
 eighth week in subjects of Group  
 A: these increases were found to be  
 higher in subjects of Group C ( $p < 0.001$ ) already starting at the fourth  
 week. Intracellular killing was  
 shown to be significantly increased ( $p < 0.05$ ) already at the fourth week  
 in Groups A and C; the increase becomes  
 highly significant in both groups  
 ( $p < 0.001$ ) at the eighth week; however,  
 a significant increase ( $p < 0.05$ )  
 at the eighth week was also noticed in  
 the placebo group (Group B). The  
 total lymphocytes (T3) proved to be  
 increased ( $p < 0.05$ ) at the fourth  
 week in Group A as well as in Group C; at  
 the eighth week the enhancement  
 becomes highly significant ( $p < 0.001$ ) in  
 both groups. The T4 subset was  
 found to be increased ( $p < 0.05$ ) at the  
 eighth week in Group A; in Group C  
 the rise appears already at the fourth  
 week and becomes more marked ( $p < 0.001$ ) at the eighth week. The T8 subset  
 does not appear to be changed in  
 comparison with basal values in any case.  
 The T4/T8 ratio shows a  
 significant enhancement ( $p < 0.05$ ) only  
 in Group C starting at the fourth  
 week. Blastogenesis undergoes a  
 significant enhancement ( $p < 0.05$ ) at the  
 eighth week in Group A, while in Group C  
 that rise appears already at the  
 fourth week. A stimulation of the  
 blastogenesis induced by the mitogen LPS  
 appears highly significant ( $P < 0.001$ )  
 only in Group C starting at the

fourth week.  
 CC Cytology and Cytochemistry - Human  
 \*02508  
 Biochemical Studies - General 10060  
 Blood, Blood-Forming Organs and Body  
 Fluids - Lymphatic Tissue and  
 Reticuloendothelial System \*15008  
 Pharmacology - Clinical Pharmacology  
 \*22005  
 Pharmacology - Immunological Processes  
 and Allergy \*22018  
 Immunology and Immunochemistry -  
 Immunopathology, Tissue Immunology  
 \*34508  
 Plant Physiology, Biochemistry and  
 Biophysics - Chemical Constituents  
 51522  
 Pharmacognosy and Pharmaceutical Botany  
 54000  
 BC Araliaceae 25590  
 Hominidae 86215  
 IT Miscellaneous Descriptors  
 HUMAN IMMUNOLOGIC-DRUG  
 PHARMACODYNAMICS LYMPHOCYTE T-CELLS CD4-T-  
 HELPER  
 CELLS CD8-T-SUPPRESSOR CELLS NATURAL  
 KILLER CELLS  
 L4 ANSWER 11 OF 15 BIOSIS COPYRIGHT 2003  
 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
 6  
 AN 1985:345905 BIOSIS  
 DN BA80:15897  
 TI IMMUNOMODULATORY EFFECTS OF PANAX-GINSENG  
 IN THE MOUSE.  
 AU JIE Y H; CAMMISULI S; BAGGIOLINI M  
 CS LUZHOU MEDICAL COLLEGE, LUZHOU, SICHUAN  
 PROVINCE, PEOPLE'S REPUBLIC OF  
 CHINA.  
 SO AGENTS ACTIONS, (1984) 15 (3-4), 386-391.  
 CODEN: AGACBH. ISSN: 0065-4299.  
 FS BA; OLD  
 LA English  
 AB An \*\*\*aqueous\*\*\* \*\*\*extract\*\*\* of  
 Panax \*\*\*Ginseng\*\*\* C.A.  
 Meyer (G.S.) was prepared by boiling  
 crushed G.S. roots in \*\*\*water\*\*\*  
 . The \*\*\*extract\*\*\* obtained was  
 adjusted to 125 mg G.S./ml and was  
 administered orally to mice for 5 to 6  
 days at the daily dose of 10, 50  
 and 250 mg G.S./kg or was added to  
 cultures of mouse spleen cells at 8 mg  
 G.S./ml. The average total ginsenoside  
 content of the G.S. roots used was  
 determined by HPLC [high performance  
 liquid chromatography] analysis and  
 found to be 0.58% (wt/wt). Treated mice  
 responded with enhanced antibody  
 formation to either a primary or a  
 secondary challenge with sheep red  
 cells. The effects were dose-dependent.  
 At the highest dose regimen, the  
 primary IgM response was increased by 50%  
 and the secondary IgG and IgM  
 responses were increased by 50% and 100%,  
 respectively. An even more  
 pronounced effect was obtained with  
 \*\*\*natural\*\*\* killer cell activity  
 which was enhanced between 44 and 150%  
 depending on the effector-to-target

cell ratios used in the assay. In vitro, G.S. showed 2 main effects, an inhibition of stimulated and spontaneous lymphocyte proliferation of high, but not cytotoxic concentrations and an enhancement of interferon production particularly in non-stimulated spleen cells. The immunostimulating effects obtained in vivo are in agreement with the stimulation of interferon production observed in vitro. The inhibition of lymphocyte proliferation cannot be reconciled with the immunostimulatory action of G.S. observed in vivo.

CC Cytology and Cytochemistry - Animal  
\*02506

Biochemical Studies - General 10060  
Biochemical Studies - Proteins, Peptides and Amino Acids 10064  
Biochemical Studies - Carbohydrates 10068

Pathology, General and Miscellaneous - Therapy \*12512

Blood, Blood-Forming Organs and Body Fluids - Blood Cell Studies \*15004

Blood, Blood-Forming Organs and Body Fluids - Lymphatic Tissue and Reticuloendothelial System \*15008

Dental and Oral Biology - General;

Methods 19001

Pharmacology - Clinical Pharmacology 22005

Pharmacology - Immunological Processes and Allergy \*22018

Routes of Immunization, Infection and Therapy 22100

Tissue Culture, Apparatus, Methods and Media 32500

In Vitro Studies, Cellular and Subcellular 32600

Immunology and Immunochemistry - General; Methods \*34502

Immunology and Immunochemistry - Immunopathology, Tissue Immunology \*34508

Plant Physiology, Biochemistry and Biophysics - Chemical Constituents 51522

Pharmacognosy and Pharmaceutical Botany 54000

BC Araliaceae 25590

Muridae 86375

IT Miscellaneous Descriptors

IMMUNOLOGIC-DRUG INTERFERON NATURAL KILLER CELL ACTIVITY

L4 ANSWER 12 OF 15 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 1985:309134 BIOSIS

DN BA79:89130

TI INFLUENCE OF SOME CHINESE HERBAL DRUGS ON NATURAL KILLER CELL ACTIVITY

IN-VIVO PRELIMINARY REPORT.

AU PENG X-E; JUE K; PAN H; PENG R

CS DEPARTMENT OF PHARMACOLOGY, HUNAN MEDICAL COLLEGE.

SO BULL HUNAN MED COLL, (1984 (RECD 1985)) 9 (4), 342-344.

CODEN: HYHPDO. ISSN: 0253-3170.

FS BA; OLD

LA Chinese

AB The effects of several Chinese herbal drugs on in vivo \*\*\*natural\*\*\*

killer cell (NK cell) activity were studied in mice. Groups of 5-6 C3H

mice of approximately the same age and body weight were used. Various

Chinese herbal preparations were

administered as follows: decoctions, 1

gm/ml; polysaccharides, 20% solution;

saponinoids, 1% solution;

\*\*\*water\*\*\* soluble portion of tract,

1% solution. For each preparation a

daily dose of 0.2 ml/20 gm body weight

was given i.p. for 14 successive

days, control groups received normal

saline. On the day of experimentation

1 .times. 106/0.5 ml labeled U14 cells

were injected to each mouse i.v.; 1

h later the mouse was killed and the

.gamma.-radiation of lung, liver and

spleen was detected, respectively, by

gamma scintillation counter. Average

values of each group were recorded and

compared with that of control group

to obtain a T/C [test/control] ratio,

which indicated the NK cell activity

under the influence of the drugs.

Polysaccharide of Astragalus, decoctions

of Actinidia chinensis and Solanum nigrum

significantly augmented the NK

activity, while ginsenoside [from Panax

\*\*\*ginseng\*\*\* ],

\*\*\*extract\*\*\* from Cimicifuga foetida

and PHA [Phytohemagglutinin]

slightly augmented the NK activity but

were of no statistical

significance.

CC Cytology and Cytochemistry - Animal

\*02506

Social Biology; Human Ecology \*05500

Radiation - Radiation and Isotope

Techniques 06504

Biochemical Studies - Proteins, Peptides

and Amino Acids 10064

Biochemical Studies - Carbohydrates

10068

Biophysics - General Biophysical

Techniques 10504

Metabolism - Carbohydrates \*13004

Metabolism - Proteins, Peptides and Amino

Acids \*13012

Digestive System - General; Methods

14001

Digestive System - Physiology and

Biochemistry \*14004

Blood, Blood-Forming Organs and Body

Fluids - Lymphatic Tissue and

Reticuloendothelial System \*15008

Respiratory System - General; Methods

16001

Respiratory System - Physiology and

Biochemistry \*16004

Pharmacology - Drug Metabolism; Metabolic

Stimulators \*22003

Pharmacology - Immunological Processes

and Allergy \*22018

Routes of Immunization, Infection and

Therapy 22100

Neoplasms and Neoplastic Agents -

Immunology \*24003

Immunology and Immunochemistry - General;  
Methods 34502

Immunology and Immunochemistry -  
Immunopathology, Tissue Immunology  
\*34508

Plant Physiology, Biochemistry and  
Biophysics - Chemical Constituents  
51522

Pharmacognosy and Pharmaceutical Botany  
\*54000

BC Actinidiaceae 25525  
Leguminosae 26260  
Ranunculaceae 26645  
Solanaceae 26775  
Umbelliferae 26915

IT Miscellaneous Descriptors

MOUSE ASTRAGALUS PANAX-GINSENG  
ACTINIDIA-CHINENSIS SOLANUM-NIGRUM  
CIMICIFUGA-FORTIDA POLK MEDICINE  
DECOCTIONS POLYSACCHARIDES  
SAPONINOSIDES PHYTOHEMAGGLUTININ  
PHARMACOKINETICS LUNG LIVER SPLEEN  
RADIOLABEL

L4 ANSWER 13 OF 15 BIOSIS COPYRIGHT 2003  
BIOLOGICAL ABSTRACTS INC.

AN 1981:298174 BIOSIS

DN BA72:83158

TI PHARMACOLOGICAL ACTIONS OF GINSENG  
SAPONIN IN STRESSED MICE.

AU KITA T; HATA T; KAWASHIMA Y; KAKU T; ITOH  
E

CS DEP. PHARMACOL., FAC. PHARM., KINKI  
UNIV., HIGASHI-OSAKA 577, JPN.

SO J PHARMACOBIO-DYN, (1981) 4 (6), 381-393.  
CODEN: JOPHDQ. ISSN: 0386-846X.

FS BA; OLD

LA English

AB P. \*\*\*ginseng\*\*\* is an important role  
in Oriental medicine. Some  
pharmacological experiments were carried  
out with pure saponins

[ginsenoside (GS)-Rb1, Rb2, Rc, Re and  
Rg1] \*\*\*isolated\*\*\* from the P.

\*\*\*ginseng\*\*\* root, a mixture of  
\*\*\*ginseng\*\*\* saponins [ginsenoside  
mixture B (GMB) obtained from the lateral  
root (Hakumo) and crude  
ginsenoside K (GSK) obtained from the  
main root (Hakusan)] and  
prosapogenins (PSG), partial hydrolysates  
of Rb1, Rb2, Rc and Rd [20R-PSG,  
20S-PSG and .DELTA.20-PSG], by using  
specific repeatedly cold stressed  
(SART stressed) mice and in restraint and  
\*\*\*water\*\*\*

immersion-stressed (RWIS) mice. A single  
i.p. administration of 10 mg/kg  
of GS or PSG gave no influence on  
pentobarbital-induced sleeping in  
non-stressed mice. The inhibition of a  
\*\*\*natural\*\*\* increase in body  
weight in SART stressed mice was markedly  
counteracted by administration  
with a daily dose of 2.5 mg/kg of Rb1,  
Rc, Re, 20S-PSG or GSK for 5  
consecutive days during SART stressing. A  
single i.p. administration of 10  
mg/kg of Rb2, Rc, Re, 20R-PSG or 20S-PSG  
increased the analgesic index by

the modified Randall-Selitto method and  
that of 20R-PSG or 20S-PSG

decreased the writhing syndrome by the  
method of acetic acid in  
non-stressed mice. When SART stressed  
mice were used as test animals in  
place of non-stressed mice, the analgesic  
effect was augmented. Prolonged  
actions were observed in SART stressed  
mice administered daily with 5-10  
mg/kg of Rb2, Rc, Re, 20R-PSG or 20S-PSG.  
When analgesic effect was tested  
60 min after the last administration by  
the modified method of

Randall-Selitto, almost the same effect  
as the single administration was  
obtained. The inhibitory effect on acetic  
acid writhing of Rb1, Rb2, Re,  
.DELTA.20-PSG, and GMB, which was  
ineffective by a single administration,  
in addition to Rg1, 20R-PSG and 20S-PSG,  
was observed. The decrease in ACh  
[acetylcholine] response of the  
\*\*\*isolated\*\*\* SART stressed mouse  
duodenum was inhibited by daily  
administration of Rb1, Rb2, Rc, Re,  
20S-PSG, GMB, and GSK. The increase in  
ACh response of the

\*\*\*isolated\*\*\* RWIS mouse duodenum  
was inhibited by 3 pretreatments with  
Rb1, Re, Rg1, 20S-PSG and GMB, but not  
with Rb2, Rc, or GSK. The effects  
of \*\*\*ginseng\*\*\* saponins may be  
different from those of  
saikosaponins. The former compounds have  
a weak analgesic action, and may  
improve some symptoms of vegetative  
stigmata due to SART stress and  
RWIS. The classification of GS and PSG  
based on their actions was  
attempted.

CC General Biology - Taxonomy, Nomenclature  
and Terminology 00504

Comparative Biochemistry, General 10010  
Biochemistry - Physiological Water  
Studies 10011

Biochemical Studies - General 10060

Biochemical Studies - Sterols and

Steroids 10067

Biochemical Studies - Carbohydrates

10068

External Effects - Temperature as a

Primary Variable - Cold 10616

Chordate Body Regions - Abdomen 11314

Physiology, General and Miscellaneous -

General 12002

Physiology, General and Miscellaneous -

Stress \*12008

Physiology, General and Miscellaneous -

Exercise and Physical Therapy

12010

Movement 12100

Metabolism - General Metabolism;

Metabolic Pathways 13002

Metabolism - Carbohydrates 13004

Metabolism - Sterols and Steroids 13008

Digestive System - Physiology and

Biochemistry \*14004

Endocrine System - Neuroendocrinology

\*17020

Nervous System - General; Methods 20501

Nervous System - Pathology \*20506  
 Pharmacology - Drug Metabolism; Metabolic  
 Stimulators \*22003  
 Pharmacology - Digestive System \*22014  
 Pharmacology - Endocrine System \*22016  
 Pharmacology - Neuropharmacology \*22024  
 Routes of Immunization, Infection and  
 Therapy 22100  
 Toxicology - General; Methods and  
 Experimental 22501  
 Toxicology - Pharmacological Toxicology  
 22504  
 Temperature: Its Measurement, Effects and  
 Regulation - General Measurement  
 and Methods 23001  
 Morphology, Anatomy and Embryology of  
 Plants 51000  
 Plant Physiology, Biochemistry and  
 Biophysics - Chemical Constituents  
 51522  
 Pharmacognosy and Pharmaceutical Botany  
 54000  
 BC Araliaceae 25590  
 Muridae 86375  
 IT Miscellaneous Descriptors  
 PANAX-GINSENG ROOT DUODENUM ACETYL  
 CHOLINE HORMONE-DRUG HAKUMO HAKUSAN  
 SAIKOSAPONIN GINSENOSE RB-1  
 GINSENOSE RB-2 GINSENOSE RC  
 GINSENOSE RE GINSENOSE RG-1 20R  
 PRO SAPOGENIN 20S PRO SAPOGENIN  
 DELTA-20 PRO SAPOGENIN ANALGESIC  
 AUTONOMIC-DRUG GASTROINTESTINAL-DRUG  
 ACETIC-ACID VEGETATIVE STIGMATISM COLD  
 STRESSED WATER IMMERSION  
 STRESSED WRITHING SYNDROME  
 RN 51-84-3 (ACETYL CHOLINE)  
 64-19-7 (ACETIC-ACID)  
 11021-13-9 (GINSENOSE RB-2)  
 11021-14-0 (GINSENOSE RC)  
 22427-39-0 (GINSENOSE RG-1)  
 41753-43-9 (GINSENOSE RB-1)  
 52286-59-6 (GINSENOSE RE)  
 L4 ANSWER 14 OF 15 BIOSIS COPYRIGHT 2003  
 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
 7  
 AN 1981:134959 BIOSIS  
 DN BA71:4951  
 TI PHYTOCHEMICAL ANALYSIS OF A STRAIN OF  
 GINSENG ROOT PANAX-GINSENG TISSUE  
 CULTURE AND STANDARDIZATION OF ITS  
 PREPARATIONS.  
 AU BUTENKO R G; KHESTONOVA T I; SLEPYAN L I;  
 MIKHAILOVA N V; VYSOTSKAYA R I  
 CS K.A. TIMIRYAZEV INST. PLANT PHYSIOL.,  
 MOSCOW, USSR.  
 SO RASTIT RESUR. (1979) 15 (3), 356-360.  
 CODEN: RRESAB. ISSN: 0033-9946.  
 FS BA; OLD  
 LA Russian  
 AB Triterpenoid glycosides (5.8%) were  
 detected in the biomass of a  
 suspension strain of P. \*\*\*ginseng\*\*\*  
 C. A. Mey root tissue culture,  
 cultivated for 20 days; tannin, cardiac-  
 and anthraglycosides, flavonoids  
 and alkaloids were not observed. A high  
 percentage of \*\*\*water\*\*\* -  
 (56.71%) and alcohol-soluble substances  
 (53.8%) was established, along

with substances \*\*\*extracted\*\*\* with  
 methanol (41.9%). The total ash  
 content (12.8%) exceeded 2-fold that of  
 the \*\*\*natural\*\*\* root.  
 CC Biochemical Methods - Lipids 10056  
 Biochemical Methods - Carbohydrates  
 10058  
 Biochemical Studies - General 10060  
 Biochemical Studies - Lipids \*10066  
 Biochemical Studies - Carbohydrates  
 \*10068  
 Biochemical Studies - Minerals 10069  
 Biophysics - Molecular Properties and  
 Macromolecules 10506  
 Tissue Culture, Apparatus, Methods and  
 Media 32500  
 Morphology, Anatomy and Embryology of  
 Plants 51000  
 Plant Physiology, Biochemistry and  
 Biophysics - Growth, Differentiation  
 \*51510  
 Plant Physiology, Biochemistry and  
 Biophysics - Chemical Constituents  
 \*51522  
 Plant Physiology, Biochemistry and  
 Biophysics - Apparatus and Methods  
 51524  
 Pharmacognosy and Pharmaceutical Botany  
 \*54000  
 BC Araliaceae 25590  
 IT Miscellaneous Descriptors  
 TRI TERPENOID GLYCOSIDE TANNIN  
 FLAVANOID ALKALOID  
 L4 ANSWER 15 OF 15 CABA COPYRIGHT 2003 CABI  
 AN 78:6606 CABA  
 DN 770206605  
 TI Experimental study of the effect of  
 preparations of bee products on  
 tumorous rats  
 AU Valavichyus, Yu. M.; Neshukaitene, K. S.;  
 Valavichene, Ya. V.; Talutite,  
 E. V.; Valavicius, J. M.; Nesukaitiene,  
 K. S.; Valaviciene, J. V.;  
 Talutyte, E. V.  
 CS Inst. Biochem., Acad. Sci, Lithuanian  
 SSR, Vilnius, Lithuanian SSR, USSR.  
 SO Lietuvos TSR Mokslu Akademijos Darbai, C,  
 (1975) No. 3, pp. 105-110. B.  
 DT Journal  
 LA Russian  
 SL English; Lithuanian  
 AB The preparations of bee products were:  
 (1) a 6.7% solution of propolis  
 \*\*\*extract\*\*\* in macerated pollen;  
 (2) a 16.7% \*\*\*aqueous\*\*\*  
 solution of royal jelly supplemented by  
 4% propolis \*\*\*extract\*\*\*; (3)  
 a mixture of macerated pollen, (  
 \*\*\*natural\*\*\* ) honey and  
 \*\*\*ginseng\*\*\* honey in the  
 proportions 4 : 1 : 1; (4), a mixture of  
 (1), (2) and (3) in the proportions 8 : 1  
 : 15. Tumours in rats injected  
 with preparations (1), (2), (3) and (4)  
 weighed 8.3%, 5%, 8.3% and  
 1.4-16.8% less, respectively, than  
 tumours in untreated rats. Preparations  
 (1), (2) and (3) increased the  
 haemoglobin content of the blood by



7.1-16.2%. All preparations decreased K, Ca and Li in the blood by 17-52%.

J.P. Harding  
CC SS100 Agricultural Products (Animal);  
QQ070 Other Produce  
BT Hymenoptera; insects; arthropods;  
invertebrates; animals  
CT products; honey; properties; tumours;  
zoology  
ST general; other than honey and wax  
ORGN Apidae

=>

Connection closed by remote host

Welcome to STN International! Enter x:x

LOGINID:ssspta1651pxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN  
International \*\*\*\*\*

NEWS 1 Web Page URLs for STN  
Seminar Schedule - N. America  
NEWS 2 Apr 08 "Ask CAS" for self-help  
around the clock  
NEWS 3 Apr 09 BEILSTEIN: Reload and  
Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications  
available in IFICDB, IFIPAT, and IFIUDB  
NEWS 6 Apr 22 Records from IP.com  
available in CAPLUS, HCAPLUS, and ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now  
available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress  
(FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for  
search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains  
STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28,  
2002;

saved answer sets no longer  
valid

NEWS 14 Jul 29 Enhanced polymer searching  
in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from  
STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML)  
- new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and  
enhanced  
NEWS 19 Aug 19 Aquatic Toxicity Information  
Retrieval (AQUIRE)  
now available on STN  
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB  
have been reloaded  
NEWS 21 Aug 19 The MEDLINE file segment of  
TOXCENTER has been reloaded

NEWS 22 Aug 26 Sequence searching in  
REGISTRY enhanced  
NEWS 23 Sep 03 JAPIO has been reloaded and  
enhanced  
NEWS 24 Sep 16 Experimental properties  
added to the REGISTRY file  
NEWS 25 Sep 16 CA Section Thesaurus  
available in CAPLUS and CA  
NEWS 26 Oct 01 CASREACT Enriched with  
Reactions from 1907 to 1985  
NEWS 27 Oct 21 EVENTLINE has been reloaded  
NEWS 28 Oct 24 BEILSTEIN adds new search  
fields  
NEWS 29 Oct 24 Nutraceuticals International  
(NUTRACEUT) now available on STN  
NEWS 30 Oct 25 MEDLINE SDI run of October  
8, 2002  
NEWS 31 Nov 18 DKILIT has been renamed  
APOLLIT  
NEWS 32 Nov 25 More calculated properties  
added to REGISTRY  
NEWS 33 Dec 02 TIBKAT will be removed from  
STN  
NEWS 34 Dec 04 CSA files on STN  
NEWS 35 Dec 17 PCTFULL now covers WP/PCT  
Applications from 1978 to date  
NEWS 36 Dec 17 TOXCENTER enhanced with  
additional content  
NEWS 37 Dec 17 Adis Clinical Trials Insight  
now available on STN  
NEWS 38 Dec 30 ISMEC no longer available  
NEWS 39 Jan 13 Indexing added to some pre-  
1967 records in CA/CAPLUS  
NEWS 40 Jan 21 NUTRACEUT offering one free  
connect hour in February 2003  
NEWS 41 Jan 21 PHARMAML offering one free  
connect hour in February 2003

NEWS EXPRESS January 6 CURRENT WINDOWS  
VERSION IS V6.01a,  
CURRENT MACINTOSH VERSION IS  
V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS  
DATED 01 OCTOBER 2002  
NEWS HOURS STN Operating Hours Plus Help  
Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and  
Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site  
(general information)

Enter NEWS followed by the item number or name  
to see news on that  
specific topic.

All use of STN is subject to the provisions  
of the STN Customer  
agreement. Please note that this agreement  
limits use to scientific  
research. Use for software development or  
design or implementation  
of commercial gateways or other similar uses  
is prohibited and may  
result in loss of user privileges and other  
penalties.

\*\*\*\*\* STN Columbus \*\*  
\*\*\*\*\*

FILE 'HOME' ENTERED AT 11:08:52 ON 28 JAN 2003

=> fil biosis medline caplus prompt

'PROMPT' IS NOT A VALID FILE NAME  
Enter "HELP FILE NAMES" at an arrow prompt  
(=>) for a list of files  
that are available. If you have requested  
multiple files, you can  
specify a corrected file name or you can enter  
"IGNORE" to continue  
accessing the remaining file names entered.  
ENTER A FILE NAME OR (IGNORE):prompt

COST IN U.S. DOLLARS  
SINCE FILE TOTAL

ENTRY SESSION  
FULL ESTIMATED COST  
0.42 0.42

FILE 'BIOSIS' ENTERED AT 11:10:06 ON 28 JAN  
2003  
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS  
INC. (R)

FILE 'MEDLINE' ENTERED AT 11:10:06 ON 28 JAN  
2003

FILE 'CAPLUS' ENTERED AT 11:10:06 ON 28 JAN  
2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN  
CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY  
(ACS)

FILE 'PROMT' ENTERED AT 11:10:06 ON 28 JAN  
2003  
COPYRIGHT (C) 2003 Gale Group. All rights  
reserved.

=> s (lycii fruct? or l.fruct?)

L1 433 (LYCII FRUCT? OR L.FRUCT?)

=> s angelic? gigant? or a.gigant?

L2 1857 ANGELIC? GIGANT? OR A.GIGANT?

=> s cnidi? rhizom? or c.rhizom?

L3 162 CNIDI? RHIZOM? OR C.RHIZOM?

=> 1 and 2 and 3

2 FILES SEARCHED...  
L4 5395860 1 AND 2 AND 3

=> s l1 and l2 and l3

L5 1 L1 AND L2 AND L3

=> s l5 and ginseng

L6 0 L5 AND GINSENG

=> d l5 all

L5 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2003  
BIOLOGICAL ABSTRACTS INC.

AN 1995:298783 BIOSIS

DN PREV199598313083

TI Survey on the natural content of heavy  
metal in medicinal herbs and their  
cultivated soils in Korea.

AU Kim, Bok-Young (1); Kim, Kyu-Sik (1);

Lee, Jong-Sik (1); Yoo, Sun-Ho

CS (1) Agric. Sci. Inst., RDA, Suwon South  
Korea

SO RDA Journal of Agricultural Science Soil  
& Fertilizer, (1994) Vol. 36, No.  
2, pp. 310-320.

DT Article

LA Korean

SL Korean; English

CC Biochemical Studies - Minerals \*10069

Toxicology - General; Methods and  
Experimental \*22501

Plant Physiology, Biochemistry and  
Biophysics - Chemical Constituents

\*51522

Soil Science - Fertility and Applied  
Studies \*52807

Horticulture - General; Miscellaneous and  
Mixed Crops \*53012

Pharmacognosy and Pharmaceutical Botany  
\*54000

BC Dioscoreaceae 25285

Campanulaceae 25730

Cornaceae 25860

Leguminosae 26260

Paeoniaceae 26505

Solanaceae 26775

Umbelliferae \*26915

IT Major Concepts

Biochemistry and Molecular Biophysics;  
Horticulture (Agriculture);

Pharmacognosy (Pharmacology); Soil  
Science; Toxicology

IT Chemicals & Biochemicals

CADMIUM; COPPER; LEAD; ZINC; CHROMIUM;  
NICKEL; ARSENIC

IT Miscellaneous Descriptors

\*\*\*ANGELICAE\*\*\* \*\*\*GIGANTIS\*\*\*

RADIX; ARSENIC; ASTRAGALI-RADIX;

BUUPLEURI RADIX; CADMIUM; CHROMIUM;

\*\*\*CNIDII\*\*\* \*\*\*RHIZOMA\*\*\* ;

CODONOPSIS RADIX; COPPER; CORNI

FRUCTUS; DIOSCOREAE RHIZOMA; LEAD;

\*\*\*LYCII\*\*\* \*\*\*FRUCTUS\*\*\* ;

NICKEL; PAEONIAE RADIX; PEUCEDANI

RADIX; PLATYCODI RADIX; ZINC

ORGN Super Taxa

Campanulaceae: Dicotyledones,

Angiospermae, Spermatophyta, Plantae;

Cornaceae: Dicotyledones,

Angiospermae, Spermatophyta, Plantae;

Dioscoreaceae: Monocotyledones,

Angiospermae, Spermatophyta, Plantae;

Leguminosae: Dicotyledones,

Angiospermae, Spermatophyta, Plantae;

Paeoniaceae: Dicotyledones,

Angiospermae, Spermatophyta, Plantae;

Solanaceae: Dicotyledones,

Angiospermae, Spermatophyta, Plantae;

Umbelliferae: Dicotyledones,

Angiospermae, Spermatophyta, Plantae

ORGN Organism Name  
 Campanulaceae (Campanulaceae);  
 Cornaceae (Cornaceae); Dioscoreaceae  
 (Dioscoreaceae); Leguminosae  
 (Leguminosae); Paeoniaceae (Paeoniaceae);  
 Solanaceae (Solanaceae); Umbelliferae  
 (Umbelliferae)  
 ORGN Organism Superterms  
 angiosperms; dicots; monocots; plants;  
 spermatophytes; vascular plants  
 RN 7440-43-9 (CADMIUM)  
 7440-50-8 (COPPER)  
 7439-92-1 (LEAD)  
 7440-66-6 (ZINC)  
 7440-47-3 (CHROMIUM)  
 7440-02-0 (NICKEL)  
 7440-38-2 (ARSENIC)

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
 COST IN U.S. DOLLARS  
 SINCE FILE TOTAL

ENTRY SESSION  
 FULL ESTIMATED COST  
 50.23 50.65

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS,  
 AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,  
 BIOCERMERCE, BIOSIS, BIOTECHABS,  
 BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,  
 CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI,  
 CROPB, CROPU, DDFB, DDFU, DGENE,  
 DRUGB, DRUGLAUNCH, DRUGMONOG2, ...'  
 ENTERED AT 11:28:10 ON 28 JAN 2003

64 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term  
 postings or to view  
 search error messages that display as 0\* with  
 SET DETAIL OFF.

=> s cnidi? (2a) rhizom? or c.rhizom? or  
 cnidi?

2 FILE ADISCTI  
 1 FILE ADISNEWS  
 30 FILE AGRICOLA  
 18 FILE ANABSTR  
 5 FILE AQUASCI  
 22 FILE BIOBUSINESS  
 249 FILE BIOSIS  
 16 FILE BIOTECHABS  
 16 FILE BIOTECHDS  
 14 FILE BIOTECHNO  
 138 FILE CABA  
 11 FILE CANCERLIT  
 398 FILE CAPLUS  
 3 FILE CONFSCI  
 15 FILE CROPU  
 16 FILE DDFB  
 108 FILE DDFU  
 23 FILES SEARCHED...  
 16 FILE DRUGB  
 96 FILE DRUGLAUNCH  
 318 FILE DRUGMONOG2  
 119 FILE DRUGU  
 1 FILE EMBAL

126 FILE EMBASE  
 32 FILE ESBIORASE  
 1 FILE FEDRIP  
 6 FILE FROSTI  
 7 FILE FSTA  
 53 FILE GENBANK  
 1 FILE HEALSAFE  
 21 FILE IFIPAT  
 111 FILE JICST-EPLUS  
 2 FILE KOSMET  
 19 FILE LIFESCI  
 44 FILES SEARCHED...  
 87 FILE MEDLINE  
 1 FILE OCEAN  
 71 FILE PASCAL  
 6 FILE PROMT  
 104 FILE SCISEARCH  
 119 FILE TOXCENTER  
 106 FILE USPATFULL  
 3 FILE USPAT2  
 456 FILE WPIDS  
 63 FILES SEARCHED...  
 456 FILE WPINDEX

43 FILES HAVE ONE OR MORE ANSWERS, 64  
 FILES SEARCHED IN STNINDEX

L7 QUE CNIDI? (2A) RHIZOM? OR C.RHIZOM? OR  
 CNIDI?

=> s angelic? (2a) gigant? or a.gigant?

1 FILE ADISNEWS  
 13 FILE AGRICOLA  
 47 FILE AQUASCI  
 8 FILE BIOBUSINESS  
 1 FILE BIOCERMERCE  
 185 FILE BIOSIS  
 1 FILE BIOTECHABS  
 1 FILE BIOTECHDS  
 11 FILES SEARCHED...  
 25 FILE BIOTECHNO  
 166 FILE CABA  
 42 FILE CANCERLIT  
 265 FILE CAPLUS  
 6 FILE CEABA-VTB  
 14 FILE CEN  
 30 FILE CIN  
 4 FILE CONFSCI  
 20 FILES SEARCHED...  
 5 FILE CROPU  
 2 FILE DDFU  
 22 FILE DGENE  
 24 FILES SEARCHED...  
 90 FILE DRUGLAUNCH  
 5 FILE DRUGU  
 1 FILE DRUGUPDATES  
 98 FILE EMBASE  
 25 FILE ESBIORASE  
 33 FILES SEARCHED...  
 3 FILE FEDRIP  
 3 FILE FROSTI  
 3 FILE FSTA  
 4 FILE GENBANK  
 3 FILE HEALSAFE  
 83 FILE IFIPAT  
 90 FILE JICST-EPLUS  
 36 FILE LIFESCI  
 123 FILE MEDLINE  
 47 FILES SEARCHED...  
 24 FILE NTIS

14 FILE OCEAN  
78 FILE PASCAL  
50 FILES SEARCHED...  
4 FILE PHARMAML  
14 FILE PHIN  
1285 FILE PROMT  
139 FILE SCISEARCH  
46 FILE TOXCENTER  
232 FILE USPATFULL  
59 FILES SEARCHED...  
5 FILE USPAT2  
307 FILE WPIDS  
307 FILE WPINDEX  
  
45 FILES HAVE ONE OR MORE ANSWERS, 64  
FILES SEARCHED IN STNINDEX

L8 QUE ANGELIC? (2A) GIGANT? OR A.GIGANT?

=> s lyxi? (2a) fruct? or l.fruct?

11 FILE ADISCTI  
1 FILE ADISNEWS  
19 FILE AGRICOLA  
9 FILE ANABSTR  
22 FILE BIOBUSINESS  
132 FILE BIOSIS  
104 FILE BIOTECHABS  
104 FILE BIOTECHDS  
18 FILE BIOTECHNO  
42 FILE CABA  
1 FILE CANCERLIT  
287 FILE CAPLUS  
14 FILE CEABA-VTB  
1 FILE CIN  
1 FILE CONFSCI  
2 FILE CROPU  
1 FILE DDFB  
7 FILE DDFU  
24 FILES SEARCHED...  
1 FILE DRUGB  
10 FILE DRUGLAUNCH  
21 FILE DRUGU  
71 FILE EMBASE  
30 FILE ESBIODASE  
1 FILE FEDRIP  
29 FILE FROSTI  
75 FILE FSTA  
26 FILE GENBANK  
45 FILE IFIPAT  
25 FILE JICST-EPLUS  
28 FILE LIFESCI  
66 FILE MEDLINE  
3 FILE NTIS  
49 FILES SEARCHED...  
50 FILE PASCAL  
1 FILE PHAR  
9 FILE PROMT  
75 FILE SCISEARCH  
49 FILE TOXCENTER  
231 FILE USPATFULL  
3 FILE USPAT2  
3 FILE VETU  
130 FILE WPIDS  
130 FILE WPINDEX

42 FILES HAVE ONE OR MORE ANSWERS, 64  
FILES SEARCHED IN STNINDEX

L9 QUE LYCI? (2A) FRUCT? OR L.FRUCT?

=> s ginseng? or (acanthopanac? (2a) cortex?)

87 FILE ADISCTI  
12 FILE ADISINSIGHT  
43 FILE ADISNEWS  
857 FILE AGRICOLA  
203 FILE ANABSTR  
12 FILE AQUASCI  
608 FILE BIOBUSINESS  
31 FILE BIOCOMMERCE  
2729 FILE BIOSIS  
330 FILE BIOTECHABS  
330 FILE BIOTECHDS  
235 FILE BIOTECHNO  
1518 FILE CABA  
215 FILE CANCERLIT  
4798 FILE CAPLUS  
37 FILE CEABA-VTB  
6 FILE CEN  
64 FILE CIN  
89 FILE CONFSCI  
10 FILE CROPB  
94 FILE CROPU  
179 FILE DDFB  
808 FILE DDFU  
95 FILE DGENE  
179 FILE DRUGB  
876 FILE DRUGLAUNCH  
2094 FILE DRUGMONOG2  
3 FILE DRUGNL  
856 FILE DRUGU  
3 FILE DRUGUPDATES  
26 FILE EMBAL  
2025 FILE EMBASE  
513 FILE ESBIODASE  
32 FILE FEDRIP  
34 FILES SEARCHED...  
79 FILE FOMAD  
5 FILE FOREGE  
397 FILE FROSTI  
356 FILE FSTA  
325 FILE GENBANK  
8 FILE HEALSAFE  
234 FILE IFIPAT  
1173 FILE JICST-EPLUS  
25 FILE KOSMET  
219 FILE LIFESCI  
1 FILE MEDICNF  
1336 FILE MEDLINE  
4 FILE NIOSHTIC  
60 FILE NTIS  
917 FILE PASCAL  
6 FILE PHAR  
7 FILE PHARMAML  
71 FILE PHIN  
4222 FILE PROMT  
1821 FILE SCISEARCH  
1326 FILE TOXCENTER  
1055 FILE USPATFULL  
39 FILE USPAT2  
4 FILE VETB  
11 FILE VETU  
3643 FILE WPIDS  
3643 FILE WPINDEX

61 FILES HAVE ONE OR MORE ANSWERS, 64  
FILES SEARCHED IN STNINDEX

L10 QUE GINSENG? OR (ACANTHOPANAC? (2A)  
CORTEX?)

=> s 110 and 19 and 18 and 17

5 FILES SEARCHED...  
12 FILES SEARCHED...  
23 FILES SEARCHED...  
32 FILES SEARCHED...  
39 FILES SEARCHED...  
1 FILE IFIPAT  
48 FILES SEARCHED...  
50 FILES SEARCHED...  
58 FILES SEARCHED...  
2 FILE USPATFULL  
59 FILES SEARCHED...  
2 FILE WPIDS  
63 FILES SEARCHED...  
2 FILE WPINDEX  
  
4 FILES HAVE ONE OR MORE ANSWERS, 64  
FILES SEARCHED IN STNINDEX

L11 QUE L10 AND L9 AND L8 AND L7

=> d rank

F1 2 USPATFULL  
F2 2 WPIDS  
F3 2 WPINDEX  
F4 1 IFIPAT

=> d his

(FILE 'HOME' ENTERED AT 11:08:52 ON 28  
JAN 2003)

FILE 'BIOSIS, MEDLINE, CAPLUS, PROMT'  
ENTERED AT 11:10:06 ON 28 JAN 2003  
L1 433 S (LYCII FRUCT? OR L.FRUCT?)  
L2 1857 S ANGELIC? GIGANT? OR  
A.GIGANT?  
L3 162 S CNIDI? RHIZOM? OR C.RHIZOM?  
L4 5395860 1 AND 2 AND 3  
L5 1 S L1 AND L2 AND L3  
L6 0 S L5 AND GINSENG

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS,  
AGRICOLA, ANABSTR, AQUASCI,  
BIOBUSINESS, BIOCOMMERCE, BIOSIS,  
BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,  
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN,  
CONFSCI, CROPB, CROPU, DDFB,  
DDFU, DGENE, DRUGB, DRUGLAUNCH,  
DRUGMONOG2, ...' ENTERED AT 11:28:10 ON  
28 JAN 2003

SEA CNIDI? (2A) RHIZOM? OR  
C.RHIZOM? OR CNIDI?

-----  
2 FILE ADISCTI  
1 FILE ADISNEWS  
30 FILE AGRICOLA  
18 FILE ANABSTR  
5 FILE AQUASCI  
22 FILE BIOBUSINESS  
249 FILE BIOSIS  
16 FILE BIOTECHABS  
16 FILE BIOTECHDS  
14 FILE BIOTECHNO  
138 FILE CABA  
11 FILE CANCERLIT  
398 FILE CAPLUS

3 FILE CONFSCI  
15 FILE CROPU  
16 FILE DDFB  
108 FILE DDFU  
16 FILE DRUGB  
96 FILE DRUGLAUNCH  
318 FILE DRUGMONOG2  
119 FILE DRUGU  
1 FILE EMBAL  
126 FILE EMBASE  
32 FILE ESBIOBASE  
1 FILE FEDRIP  
6 FILE FROSTI  
7 FILE FSTA  
53 FILE GENBANK  
1 FILE HEALSAFE  
21 FILE IFIPAT  
111 FILE JICST-EPLUS  
2 FILE KOSMET  
19 FILE LIFESCI  
87 FILE MEDLINE  
1 FILE OCEAN  
71 FILE PASCAL  
6 FILE PROMT  
104 FILE SCISEARCH  
119 FILE TOXCENTER  
106 FILE USPATFULL  
3 FILE USPAT2  
456 FILE WPIDS  
456 FILE WPINDEX

L7 QUE CNIDI? (2A) RHIZOM? OR  
C.RHIZOM? OR CNIDI?

-----  
SEA ANGELIC? (2A) GIGANT? OR  
A.GIGANT?

-----  
1 FILE ADISNEWS  
13 FILE AGRICOLA  
47 FILE AQUASCI  
8 FILE BIOBUSINESS  
1 FILE BIOCOMMERCE  
185 FILE BIOSIS  
1 FILE BIOTECHABS  
1 FILE BIOTECHDS  
25 FILE BIOTECHNO  
166 FILE CABA  
42 FILE CANCERLIT  
265 FILE CAPLUS  
6 FILE CEABA-VTB  
14 FILE CEN  
30 FILE CIN  
4 FILE CONFSCI  
5 FILE CROPU  
2 FILE DDFU  
22 FILE DGENE  
90 FILE DRUGLAUNCH  
5 FILE DRUGU  
1 FILE DRUGUPDATES  
98 FILE EMBASE  
25 FILE ESBIOBASE  
3 FILE FEDRIP  
3 FILE FROSTI  
3 FILE FSTA  
4 FILE GENBANK  
3 FILE HEALSAFE  
83 FILE IFIPAT  
90 FILE JICST-EPLUS  
36 FILE LIFESCI  
123 FILE MEDLINE  
24 FILE NTIS  
14 FILE OCEAN

78 FILE PASCAL  
 4 FILE PHARMAML  
 14 FILE PHIN  
 1285 FILE PROMT  
 139 FILE SCISEARCH  
 46 FILE TOXCENTER  
 232 FILE USPATFULL  
 5 FILE USPAT2  
 307 FILE WPIDS  
 307 FILE WPINDEX  
 L8 QUE ANGELIC? (2A) GIGANT? OR  
 A.GIGANT?

SEA LYCI? (2A) FRUCT? OR  
 L.FRUCT?

11 FILE ADISCTI  
 1 FILE ADISNEWS  
 19 FILE AGRICOLA  
 9 FILE ANABSTR  
 22 FILE BIOBUSINESS  
 132 FILE BIOSIS  
 104 FILE BIOTECHABS  
 104 FILE BIOTECHDS  
 18 FILE BIOTECHNO  
 42 FILE CABA  
 1 FILE CANCERLIT  
 287 FILE CAPLUS  
 14 FILE CEABA-VTB  
 1 FILE CIN  
 1 FILE CONFSCI  
 2 FILE CROPU  
 1 FILE DDFB  
 7 FILE DDFU  
 1 FILE DRUGB  
 10 FILE DRUGLAUNCH  
 21 FILE DRUGU  
 71 FILE EMBASE  
 30 FILE ESBIOBASE  
 1 FILE FEDRIP  
 29 FILE FROSTI  
 75 FILE FSTA  
 26 FILE GENBANK  
 45 FILE IFIPAT  
 25 FILE JICST-EPLUS  
 28 FILE LIFESCI  
 66 FILE MEDLINE  
 3 FILE NTIS  
 50 FILE PASCAL  
 1 FILE PHAR  
 9 FILE PROMT  
 75 FILE SCISEARCH  
 49 FILE TOXCENTER  
 231 FILE USPATFULL  
 3 FILE USPAT2  
 3 FILE VETU  
 130 FILE WPIDS  
 130 FILE WPINDEX

L9 QUE LYCI? (2A) FRUCT? OR  
 L.FRUCT?

SEA GINSENG? OR (ACANTHOPANAC?  
 (2A) CORTEX?)

87 FILE ADISCTI  
 12 FILE ADISINSIGHT  
 43 FILE ADISNEWS  
 857 FILE AGRICOLA  
 203 FILE ANABSTR  
 12 FILE AQUASCI  
 608 FILE BIOBUSINESS

31 FILE BIOCOMMERCE  
 2729 FILE BIOSIS  
 330 FILE BIOTECHABS  
 330 FILE BIOTECHDS  
 235 FILE BIOTECHNO  
 1518 FILE CABA  
 215 FILE CANCERLIT  
 4798 FILE CAPLUS  
 37 FILE CEABA-VTB  
 6 FILE CEN  
 64 FILE CIN  
 89 FILE CONFSCI  
 10 FILE CROPB  
 94 FILE CROPU  
 179 FILE DDFB  
 808 FILE DDFU  
 95 FILE DGENE  
 179 FILE DRUGB  
 876 FILE DRUGLAUNCH  
 2094 FILE DRUGMONOG2  
 3 FILE DRUGNL  
 856 FILE DRUGU  
 3 FILE DRUGUPDATES  
 26 FILE EMBAL  
 2025 FILE EMBASE  
 513 FILE ESBIOBASE  
 32 FILE FEDRIP  
 79 FILE FOMAD  
 5 FILE FOREGE  
 397 FILE FROSTI  
 356 FILE FSTA  
 325 FILE GENBANK  
 8 FILE HEALSAFE  
 234 FILE IFIPAT  
 1173 FILE JICST-EPLUS  
 25 FILE KOSMET  
 219 FILE LIFESCI  
 1 FILE MEDICONF  
 1336 FILE MEDLINE  
 4 FILE NIOSHTIC  
 60 FILE NTIS  
 917 FILE PASCAL  
 6 FILE PHAR  
 7 FILE PHARMAML  
 71 FILE PHIN  
 4222 FILE PROMT  
 1821 FILE SCISEARCH  
 1326 FILE TOXCENTER  
 1055 FILE USPATFULL  
 39 FILE USPAT2  
 4 FILE VETB  
 11 FILE VETU  
 3643 FILE WPIDS  
 3643 FILE WPINDEX

L10 QUE GINSENG? OR (ACANTHOPANAC?  
 (2A) CORTEX?)

SEA L10 AND L9 AND L8 AND L7

1 FILE IFIPAT  
 2 FILE USPATFULL  
 2 FILE WPIDS  
 2 FILE WPINDEX

L11 QUE L10 AND L9 AND L8 AND L7

=>

---Logging off of STN---

=>  
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS  
SINCE FILE TOTAL

ENTRY SESSION  
FULL ESTIMATED COST  
18.15 68.80

STN INTERNATIONAL LOGOFF AT 11:47:53 ON 28 JAN  
2003

Welcome to STN International! Enter x:x

LOGINID:sssptal651pxp

PASSWORD:  
TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN  
International \*\*\*\*\*

NEWS 1 Web Page URLs for STN  
Seminar Schedule - N. America  
NEWS 2 Apr 08 "Ask CAS" for self-help  
around the clock  
NEWS 3 Apr 09 BEILSTEIN: Reload and  
Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications  
available in IFICDB, IFIPAT, and IFIUDB  
NEWS 6 Apr 22 Records from IP.com  
available in CAPLUS, HCAPLUS, and ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now  
available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress  
(FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for  
search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains  
STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28,  
2002;  
saved answer sets no longer  
valid  
NEWS 14 Jul 29 Enhanced polymer searching  
in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from  
STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML)  
- new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and  
enhanced  
NEWS 19 Aug 19 Aquatic Toxicity Information  
Retrieval (AQUIRE)  
now available on STN  
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB  
have been reloaded

NEWS 21 Aug 19 The MEDLINE file segment of  
TOXCENTER has been reloaded  
NEWS 22 Aug 26 Sequence searching in  
REGISTRY enhanced  
NEWS 23 Sep 03 JAPIO has been reloaded and  
enhanced  
NEWS 24 Sep 16 Experimental properties  
added to the REGISTRY file  
NEWS 25 Sep 16 CA Section Thesaurus  
available in CAPLUS and CA  
NEWS 26 Oct 01 CASREACT Enriched with  
Reactions from 1907 to 1985  
NEWS 27 Oct 21 EVENTLINE has been reloaded  
NEWS 28 Oct 24 BEILSTEIN adds new search  
fields  
NEWS 29 Oct 24 Nutraceuticals International  
(NUTRACEUT) now available on STN  
NEWS 30 Oct 25 MEDLINE SDI run of October  
8, 2002  
NEWS 31 Nov 18 DKILIT has been renamed  
APOLLIT  
NEWS 32 Nov 25 More calculated properties  
added to REGISTRY  
NEWS 33 Dec 02 TIBKAT will be removed from  
STN  
NEWS 34 Dec 04 CSA files on STN  
NEWS 35 Dec 17 PCTFULL now covers WP/PCT  
Applications from 1978 to date  
NEWS 36 Dec 17 TOXCENTER enhanced with  
additional content  
NEWS 37 Dec 17 Adis Clinical Trials Insight  
now available on STN  
NEWS 38 Dec 30 ISMEC no longer available  
NEWS 39 Jan 13 Indexing added to some pre-  
1967 records in CA/CAPLUS  
NEWS 40 Jan 21 NUTRACEUT offering one free  
connect hour in February 2003  
NEWS 41 Jan 21 PHARMAML offering one free  
connect hour in February 2003  
NEWS EXPRESS January 6 CURRENT WINDOWS  
VERSION IS V6.01a,  
CURRENT MACINTOSH VERSION IS  
V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS  
DATED 01 OCTOBER 2002  
NEWS HOURS STN Operating Hours Plus Help  
Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and  
Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site  
(general information)

Enter NEWS followed by the item number or name  
to see news on that  
specific topic.

All use of STN is subject to the provisions  
of the STN Customer  
agreement. Please note that this agreement  
limits use to scientific  
research. Use for software development or  
design or implementation  
of commercial gateways or other similar uses  
is prohibited and may  
result in loss of user privileges and other  
penalties.

\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 12:12:28 ON 28 JAN 2003

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
COST IN U.S. DOLLARS  
SINCE FILE TOTAL

ENTRY SESSION  
FULL ESTIMATED COST  
0.21 0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS,  
AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,  
BIOCOMMERCE, BIOSIS, BIOTECHABS,  
BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,  
CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI,  
CROPB, CROPU, DDFB, DDFU, DGENE,  
DRUGB, DRUGLAUNCH, DRUGMONOG2, ...'  
ENTERED AT 12:12:44 ON 28 JAN 2003

64 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term  
postings or to view  
search error messages that display as 0\* with  
SET DETAIL OFF.

=> s wild (2a) ginseng? (4a) (prefer? or  
better or superior? or increase? or ideal?)

13 FILES SEARCHED...  
24 FILES SEARCHED...  
33 FILES SEARCHED...  
44 FILES SEARCHED...  
55 FILES SEARCHED...  
60 FILES SEARCHED...  
61 FILES SEARCHED...

0 FILES HAVE ONE OR MORE ANSWERS, 64  
FILES SEARCHED IN STNINDEX

L1 QUE WILD (2A) GINSENG? (4A) (PREFER? OR  
BETTER OR SUPERIOR? OR INCREASE? O  
R IDEAL?)

=> s wild (2a) ginseng? (6a) (prefer? or  
better or superior? or increase? or ideal?)

13 FILES SEARCHED...  
32 FILES SEARCHED...  
46 FILES SEARCHED...  
55 FILES SEARCHED...  
1 FILE USPATFULL  
60 FILES SEARCHED...

1 FILES HAVE ONE OR MORE ANSWERS, 64  
FILES SEARCHED IN STNINDEX

L2 QUE WILD (2A) GINSENG? (6A) (PREFER? OR  
BETTER OR SUPERIOR? OR INCREASE? O  
R IDEAL?)

=>  
Connection closed by remote host

Welcome to STN International! Enter x:x

LOGINID:sssptal651pxp

PASSWORD:  
TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN  
International \*\*\*\*\*

NEWS 1 Web Page URLs for STN  
Seminar Schedule - N. America  
NEWS 2 Apr 08 "Ask CAS" for self-help  
around the clock  
NEWS 3 Apr 09 BEILSTEIN: Reload and  
Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications  
available in IFICDB, IFIPAT, and IFIUDB  
NEWS 6 Apr 22 Records from IP.com  
available in CAPLUS, HCAPLUS, and ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now  
available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress  
(FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for  
search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains  
STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28,  
2002;

saved answer sets no longer  
valid  
NEWS 14 Jul 29 Enhanced polymer searching  
in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from  
STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML)  
- new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and  
enhanced  
NEWS 19 Aug 19 Aquatic Toxicity Information  
Retrieval (AQUIRE)  
now available on STN  
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB  
have been reloaded  
NEWS 21 Aug 19 The MEDLINE file segment of  
TOXCENTER has been reloaded  
NEWS 22 Aug 26 Sequence searching in  
REGISTRY enhanced  
NEWS 23 Sep 03 JAPIO has been reloaded and  
enhanced  
NEWS 24 Sep 16 Experimental properties  
added to the REGISTRY file  
NEWS 25 Sep 16 CA Section Thesaurus  
available in CAPLUS and CA  
NEWS 26 Oct 01 CASREACT Enriched with  
Reactions from 1907 to 1985  
NEWS 27 Oct 21 EVENTLINE has been reloaded  
NEWS 28 Oct 24 BEILSTEIN adds new search  
fields  
NEWS 29 Oct 24 Nutraceuticals International  
(NUTRACEUT) now available on STN



NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002  
 NEWS 31 Nov 18 DKILIT has been renamed APOLLIT  
 NEWS 32 Nov 25 More calculated properties added to REGISTRY  
 NEWS 33 Dec 02 TIBKAT will be removed from STN  
 NEWS 34 Dec 04 CSA files on STN  
 NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date  
 NEWS 36 Dec 17 TOXCENTER enhanced with additional content  
 NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN  
 NEWS 38 Dec 30 ISMEC no longer available  
 NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS  
 NEWS 40 Jan 21 NUTRACEUT offering one free connect hour in February 2003  
 NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003  
 NEWS 42 Jan 29 Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC

NEWS EXPRESS January 6 CURRENT WINDOWS  
 VERSION IS V6.01a,  
 CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
 AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002  
 NEWS HOURS STN Operating Hours Plus Help Desk Availability  
 NEWS INTER General Internet Information  
 NEWS LOGIN Welcome Banner and News Items  
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 16:58:41 ON 30 JAN 2003

=> fil reg

COST IN U.S. DOLLARS  
 SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST  
 0.21 0.21

FILE 'REGISTRY' ENTERED AT 16:58:46 ON 30 JAN 2003  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 JAN 2003 HIGHEST RN 483275-57-6

DICTIONARY FILE UPDATES: 29 JAN 2003 HIGHEST RN 483275-57-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNnote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e maltodextrin/cn

E1 1 MALTOBIOURONOSIDE, BENZYL, METHYL ESTER, HEXAACETATE/CN  
 E2 2 MALTODECAOSE/CN  
 E3 1 --> MALTODEXTRIN/CN  
 E4 1 MALTODEXTRIN 19/CN  
 E5 1 MALTODEXTRIN 24DE/CN  
 E6 1 MALTODEXTRIN ABC  
 TRANSPORTER ATP-BINDING PROTEIN MALK (MYCOP LASMA PULMONIS STRAIN UAB CTIP GENE MYPU-6410)/CN  
 E7 1 MALTODEXTRIN ABC  
 TRANSPORTER PERMEASE PROTEIN MALC (MYCOPLAS MA PULMONIS STRAIN UAB CTIP GENE MYPU-6390)/CN  
 E8 1 MALTODEXTRIN ABC  
 TRANSPORTER PERMEASE PROTEIN MALD (MYCOPLAS MA PULMONIS STRAIN UAB CTIP GENE MYPU-6400)/CN  
 E9 1 MALTODEXTRIN ABC  
 TRANSPORTER, PERMEASE PROTEIN (STREPTOCOCCUS PNEUMONIAE STRAIN TIGR4 GENE SP2109)/CN  
 E10 1 MALTODEXTRIN ABC  
 TRANSPORTER, PERMEASE PROTEIN (STREPTOCOCCUS PNEUMONIAE STRAIN TIGR4 GENE SP2110)/CN  
 E11 1 MALTODEXTRIN GLUCOSIDASE/CN  
 E12 1 MALTODEXTRIN GLUCOSIDASE (CLOSTRIDIUM ACETOBUTYLICUM STRAIN ATCC 824 GENE CAC2686)/CN

=> s e3

L1 1 MALTODEXTRIN/CN

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003

ACS

RN 9050-36-6 REGISTRY

CN \*\*\*Maltodextrin (9CI)\*\*\* (CA INDEX NAME)

OTHER NAMES:

CN C\*De Light 01970

CN C\*deLight F 01970

CN C\*deLight MD 01970

CN C-PUR 01915

CN Cerestar C\*PUR 01915

CN Cerestar PUR 01915

CN DE 2

CN Dextrin, malto

CN Dry Sweet

CN Fibersol 2(E)

CN Foodtex

CN Frodex 10

CN Frodex 20

CN Glucidex 12

CN Glucidex 17

CN Glucidex 19

CN Glucidex 19FD

CN Glucidex 2

CN Glucidex 21

CN Glucidex 2B

CN Glucidex 6

CN Instant N-Oil II

CN Lodex 10

CN Lodex 5

CN Lycadex 100

CN Lycadex 200

CN M 01960

CN M 040

CN Maldex 15

CN Maldex 150

CN Maldex 20

CN Maldex 30

CN Malta-Gran 10

CN Malta-Gran TG

CN Maltiva

CN Maltodextrin 19

CN Maltodextrin 24DE

CN Maltodextrin I

CN Maltrin

CN Maltrin 040

CN Maltrin 100

CN Maltrin 150

CN Maltrin 250

CN Maltrin 255

CN Maltrin 365

CN Maltrin M 040

CN Maltrin M 100

CN Maltrin M 150

CN Maltrin M 180

CN Maltrin M 250

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT

- Use FCN, FIDE, or ALL for

DISPLAY

DR 126776-44-1, 126776-45-2, 127120-90-5,

54077-26-8, 104859-39-4,

104859-43-0, 104859-45-2, 104859-47-4,

104859-49-6, 104859-62-3,

104859-75-8, 61008-41-1, 89750-26-5,  
87090-11-7, 39283-25-5, 52769-80-9,  
216252-89-0, 220857-34-1

MF Unspecified

CI PMS, COM, MAN

PCT Manual registration

LC STN Files: AGRICOLA, ANABSTR,

BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA,

CANCERLIT, CAPLUS, CASREACT, CBNB, CEN,

CHEMCATS, CHEMLIST, CIN, CSCHM,

DDFU, DETHERM\*, DRUGU, EMBASE, IFICDB,

IFIPAT, IFIUDB, IPA, MEDLINE,

MSDS-OHS, PIRA, PROMT, TOXCENTER,

USPAT2, USPATFULL

(\*File contains numerically  
searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date  
regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

2303 REFERENCES IN FILE CA (1962  
TO DATE)

107 REFERENCES TO NON-SPECIFIC  
DERIVATIVES IN FILE CA

2310 REFERENCES IN FILE CAPLUS  
(1962 TO DATE)

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS  
SINCE FILE TOTAL

ENTRY SESSION  
FULL ESTIMATED COST  
9.10 9.31

Connection closed by remote host